



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

NYPL RESEARCH LIBRARIES



3 3433 06634176 3



.

V. 1.
/ 1.

V H W B
Illinois
Miss

Twenty-Fifth Annual Coal Report

—
OF THE

Illinois ~~State~~ Bureau of

LABOR STATISTICS

~~1906~~ 1905/06
—

ALSO THE

Eighth Annual Report

OF THE

ILLINOIS FREE EMPLOYMENT OFFICES

FOR THE

Year Ended September 30, 1906.

—
DAVID ROSS, *Secretary*, Springfield.



SPRINGFIELD, ILL.
PHILLIPS BROS., STATE PRINTERS.
1907.

THE NEW YORK
PUBLIC LIBRARY
397066
ASTOR. LENOX AND
TILDEN FOUNDATIONS.
1907

BOARD OF COMMISSIONERS OF LABOR.

1906.

GEORGE L. PITTENGER, *President*, Centralia.

EDGAR F. WILLS, Decatur.

FRANK B. MOTT, Galesburg.

J. D. PETERS, Carbondale.

M. H. MADDEN, Chicago.

Secretary,

DAVID ROSS, Springfield.

STATE MINING BOARD.

1906.

RICHARD NEWSAM, M. E., *President*, Peoria.

DAVID CHRISTIE, Murphysboro.

LEE KINCAID, Athens.

HENRY TERRILL, Colchester.

MARTIN H. LINSKEY, H. E., Streator.

Secretary,

THOMAS MOSES, Westville.

STATE INSPECTORS OF MINES.

1906.

First District.

HECTOR MCALLISTER, Streator.

Second District.

THOMAS HUDSON, Galva.

Third District.

JAMES TAYLOR, Peoria.

Fourth District.

THOMAS WEEKS, Bloomington.

Fifth District.

THOMAS MOSES, Westville.

Sixth District.

THOMAS HANNAH, Springfield.

Seventh District.

W. W. WILLIAMS, Litchfield.

Eighth District.

WALTON RUTLEDGE, Alton.

Ninth District.

W. S. BURRIS, Duquoin.

Tenth District.

THOMAS LITTLE, Carbondale.

ILLINOIS FREE EMPLOYMENT OFFICES.

CHICAGO.

NORTH SIDE OFFICE, 259-261 North Clark st., Turner Hall Building.

JOHN E. HUFMEYER, *Superintendent.*

GEORGE REISCH, *Assistant Superintendent.*

MISS SELMA BOSTRUM, *Clerk.*

SOUTH SIDE OFFICE, 429-431 Wabash Avenue.

WILLIAM H. CRUDEN, *Superintendent.*

ANGUS A. BARNES, *Assistant Superintendent.*

MISS MARGARET E. MAY, *Clerk.*

WEST SIDE OFFICE, Southwest Corner Canal and Randolph Sts.

S. P. REVERE, *Superintendent.*

LEON M. NOVAK, *Assistant Superintendent.*

MISS ELIZABETH HENNEBERRY, *Clerk.*

PEORIA.

DICKSON BUILDING, 206 South Jefferson Street.

JOHN KIMSEY, *Superintendent.*

DEDRIK JANSEN, *Assistant Superintendent.*

MISS NONA O. EDSTROM, *Clerk.*

STATE OF ILLINOIS,
OFFICE OF THE BUREAU OF LABOR STATISTICS.

SPRINGFIELD, Jan. 1, 1907.

Honorable Charles S. Deneen, Governor of Illinois:

SIR—I have the honor, on behalf of the Board of Commissioners of Labor, to submit herewith the twenty-fifth annual report of the coal industry of the State for the year ended July 1, 1906, together with the eighth annual report of the Illinois Free Employment offices, for the year ended Sept. 30, 1906.

Very respectfully,

DAVID ROSS,
Secretary.

INTRODUCTORY.

This presentation of the coal statistics of the State completes the twenty-fifth annual report. For a quarter of a century this department has continuously published for the information of the people all the salient facts connected with this important industry. It is the only industrial interest of the State of which a continuous and reliable record has been kept. A similarly complete report of the numerous other productive interests of the State ought to be made, but the funds available for the use of this bureau make such an undertaking impossible.

The annual production of coal has increased from 11,017,069 tons, as given in the first report, to 38,317,581 tons, as shown by this one. The number of men given employment in the industry has increased from 20,290 to 62,283. The figures, 11,017,069 and 38,317,581, represent not alone the growth of coal mining as a business, but the wonderful development of the State and nation during that period. A glance at table No. 27 will show that from a productive standpoint the greatest progress has been made since the year 1897. From that time to the present the annual production has increased 18,244,823 tons, or 91 per cent. Impressive as these figures are, they furnish no idea of the many social and economic changes that have taken place. Within this period of ten years, corresponding with the official life of the present administration of the department, a uniform work day of eight hours has been generally established, thus recognizing a principle which, for a great many years, the labor unions of the country have contended. The net physical and moral gain to the miners resulting from the shorter work day will not be questioned, while experience in the line of actual production combats the conclusion that a reasonable curtailment in the working time of employes does not necessarily reduce the volume of production. During this period the wages of coal miners have increased in many places over 100 per cent. The animosity, growing out of the old method of mine owners attempting to supply all the wants of their employes, has disappeared with the practical obliteration of the so-called truck system. The general adoption in Illinois of the gross weight plan, in the matter of paying for coal mined, and the system of paying wages semi-monthly, has removed the causes for much friction and discontent. These and other changes in the interest of mine workers have been accompanied by the enactment, from time to time, of laws designed to still further protect the health, life and

limbs of coal miners; and in addition to all these advantages there has been developed, through the more perfect organization of mine owners and mine workers, the means of a peaceable adjustment of differences as they have arisen, and in consequence a broader and stronger feeling of brotherhood and recognition of the essential interdependence of these interests everywhere prevails.

An examination of table 29 emphasizes the seasonal character of the coal mining business. It is shown that 69 per cent of the entire product was mined during the six months from October to March, inclusive. Notwithstanding a suspension, beginning April 1, which continued practically for three months, the output exceeds that of last year over one million tons. Taking the month of March, with a product of 5,378,459 tons, as a basis for computing the present productive capacity of the mines of this State, would furnish an annual total of nearly sixty-four and a half million tons. A decided increase in the volume of coal mined by machines is noted in table No. 59. From that it appears that 9,563,230 tons, or substantially one-fourth of the total tonnage, was cut by machines. This showing is significant, in view of the small and supposedly unfair differential between machine and pick mining in Illinois, a difference considerably less than that prevailing in other mining states. Table 65 shows that powder was used in producing 34,260,359 tons, leaving 4,057,222 tons as the product of exclusively pick mines. The same table further shows that 1,027,373 kegs of powder were used, producing an average of 33.25 tons per keg. Where the mining is done exclusively by machines the product per keg was 101 tons. In the powder using mines, where machines are not employed, the product was twenty-seven tons to the keg. These figures cannot be construed in any other light than a criticism, either of the qualification of the men now employed in the mines, or as a rebuke to their work methods. It requires no further inquiry to condemn any system of mining necessitating the use of powder where the actual results, as in this case, yield but a fraction over one ton to every pound of powder burned. These facts, regrettable as they are, fully confirm and justify, in the interest of life, the necessity for and the wisdom of that provision of a recent law requiring that all employes shall be out of the mines during the process of blasting. In the face of such a situation, the merest consideration for human welfare demands that an unskilled hand should not be permitted to touch a deadly explosive where the life of an innocent person may be involved. Instead of removing any of the safeguards, which recent legislation has placed about the mine workers, it will in the future be necessary, unless a different and better qualified class of men be employed, to absolutely prohibit them from handling or being in any way connected with dangerous explosives. Under the present practice the only lives endangered are those of the shot firers. While the law leaves much to their discretion in the matter of shots that ought not to be fired, they are in many instances forced to take chances, and the death roll among that class, since the new regulations became effective, indicate with what fatal results. The provisions of the law, that not to exceed a certain amount of powder shall be used in any one blast, have been persistently disregarded by careless, indifferent and incompetent men. As the person

now designated as shot firer has no means of determining the quantity of powder in a blast, particularly where fuse is used, his life is in peril every time he lights a shot. The only effective way of avoiding such contingencies, thereby saving the lives of the shot firers, is to absolutely divorce the present class of miners from all contact with powder, or other explosives. This plan contemplates the employment of a corps of practical men in each mine where coal is blasted off the solid, men specially trained in that line of work, with a thorough knowledge of the power which explosives of all kinds exert, whose duty it would be to drill, prepare and explode all blasts. This system would leave to the so-called miners the work chiefly of loading coal, a task for which only most of them are adapted. Nothing short of a plan of this kind will solve the problems which the situation presents. It is a useless waste of valuable time enacting laws requiring that only so much powder shall be used, that drill holes shall be made at a certain angle from the free face of the coal, etc. These are terms that only those educated in the business understand, and but very few of that class are now in the mines. Such regulations might be effective if made for the guidance of intelligent men specially fitted for that work, but not otherwise. Objections to the plan here suggested, which is in fact but an extension and completion of the present system of shot firing, may be urged on the ground of expense, and that whether the operator, the miner, or both contribute to meet it. A sufficient reply to such an argument if founded on facts would be that the saving of life is a consideration more important than the saving of dollars. The work of drilling holes and preparing shots would add considerably to the present duties of the shot firers and consequently require the employment of more men, probably three times the number now employed in that connection. Would this necessarily mean more expense? The purpose of the plan is not alone to save life through the more careful and intelligent preparation of shots, but also to avoid the loss consequent upon the burning of so much unnecessary powder. This report shows that 1,027,373 kegs of powder, equal to thirteen thousand tons, were burned in the mines this year, being an increase of nearly 90,000 kegs over 1905. Powder at prevailing prices sells for \$1.75 per keg of twenty-five pounds. According to this calculation the miners paid in 1906 for powder alone nearly one million eight hundred thousand dollars. Much of this property, representing great value, was practically wasted in the hands of incompetent men. It is entirely safe to state that fully one-half of the powder used was burned, not in making, but in destroying coal. If the use of powder in the hands of trained men could perform double the work, as we think it would, then under the present practice the direct money loss to the miners was equal to \$900,000; saying nothing of the loss sustained by the mining plant, and the consuming public, accruing from the production of an inferior quality of coal. Instead of an additional expense under the plan proposed the saving effected would prove the best financial investment the mining industry could make.

Table No. 80 indicates the number of fatal accidents which occurred from all causes during the year; the total number this year being 155 as compared with 199 last year.

Immediately following the enactment of the shot firers' law, particularly after several shot firers had lost their lives, the matter of accidents in our mines was given unusual prominence in the press, the effect of which tended to convey the impression that fatal accidents were increasing out of all proportion to other states.

Taking the tons produced as the basis on which to compute the loss of life, an examination of the records of other states and countries reveal the following facts:

LOSS OF LIFE PER MILLION TONS OF COAL PRODUCED.

Indian Territory.....	13.11	West Virginia.....	6.4
Colorado.....	8.64	Ohio.....	4.67
Pennsylvania (anthracite).....	7.00	United Kingdom.....	4.46
Kansas.....	5.85	Indiana.....	4.28
Montana.....	5.76	Illinois.....	4.05
Tennessee.....	5.78	Pennsylvania (bituminous).....	3.87
Iowa.....	5.27	Missouri.....	2.51

In this list of 14 coal producing States, including Great Britain, Illinois ranks twelfth. Considering that we stand next to Pennsylvania as a coal producing State, the showing here made is quite creditable.

Table 82 reports accidents by causes; those occurring in connection with the use of powder are materially less than for several preceding years. The loss in 1905 from the enumerated causes was greatly increased on account of the Zeigler explosion in which 47 lives were sacrificed. As that explosion was not, in the opinion of experts, due in any sense to powder the number lost at that time should be excluded from the calculation. Omitting those the record for this year compared with the annual average for the six year period reveals a very gratifying reduction. While the experience of this the first year under the shot firers' law sustains the contention that its adoption would diminish the number of fatalities due to such causes, it would be unfair to confine our judgment of the ultimate effects of the law's operation to the results shown by the present year for the reason that many of those accepting the position of shot firer had no previous experience in such work, besides the geater number of lives were lost and the most property destroyed in consequence of firing shots drilled in the solid in entries or other narrow work. This practice was in open violation of the word and spirit of the law, which prohibits any one from drilling or shooting what is known as a dead hole. Had this provision of the law been observed the lives of many of the shot firers who were killed would have been spared. Unfortunately in the case of a few, their deaths were due either to ignorance of their duties or gross and inexcusable negligence. There is every reason to expect, partly from a better knowledge of the work and the exercse of greater care, that the number of accidents from these causes in the future, will be reduced to a minimum. Accidents, particularly in an occupation as hazardous as that of coal mining, seems to sustain a certain relation to the volume of the product and the number of men employed. Both as to men and tons the number employed and the output this year exceed that of any similar period, while, compared with the record of the last few years, there has been a substantial reduction in the number of fatalities resulting from the use of powder.

TABLE OF CONTENTS.

	PAGE
Introductory	1
Twenty-fifth Annual Coal Report, 1906.....	1
Schedule for shipping mines.....	3
Schedule for local mines.....	4
Districts and counties therein.....	4
Summary for the year.....	5
Comparison of some leading totals.....	6
Classification of mines.....	8
Increase or decrease, mines, men and tons.....	9
Shipping and local mines.....	12
Grouping of mines by output.....	13
Percentages of mines, men and tons.....	13
Classification of mines as to tonnage.....	14
Number of mines for a series of twenty-five years.....	16
Grouping of mines by tonnage, fifteen years.....	17
Collieries of largest output	18
List of mines producing more than 100,000 tons.....	21
List of mines producing more than 200,000 tons.....	22
Collieries of large output, special mention.....	23
Production of large mines, series eleven years.....	24
Number of mines, gain and loss, 1905-1906.....	25
Number of mines opened and closed, seventeen years.....	25
Shipping mines.....	26
Shipping mines opened and closed, sixteen years.....	27
Number of shipping mines, by districts, eleven years.....	28
Shipping mines, men and tons, by counties and districts.....	30
Shipping mines, distribution of output, 1906.....	40
Classification of ownership, shipping mines.....	41
List of locations of mines.....	46
Graded output of mines.....	48
Total output, different grades, seven years.....	49
Mines, men and tons, twenty-five years.....	52
Output by months, July, 1905—June, 1906, by counties.....	56
Percentages of output by months and districts.....	58
Haulage in the mines.....	60
Output by counties, 500,000 tons, 1902-1906.....	61
Output by counties, 500,000 tons, 1897-1901.....	62
Coal producing counties of the State, mines, men, tons.....	64
Disposition of the output.....	67
Disposition of output by counties.....	69
Distribution of coal to railroads, by counties.....	76
Counties furnishing coal to railroads for transportation.....	80
Counties producing coal, distribution of tonnage.....	82
Days of active operation.....	

	Page
Average value of coal per ton, different grades.....	83
Average value of lump coal, per ton, twenty-five years.....	86
Mine employes.....	87
Classification, mine employes, eight years.....	88
Employes in coal mines, by districts, twenty-five years.....	89
Prices paid for mining.....	90
Payment of wages.....	91
Earnings of miners.....	92
Machine mining.....	94
Mining machines, names and numbers.....	95
Mines using machines exclusively.....	96
Mining machines, mines, men, days, tons.....	98
Mines using machines in part.....	100
Powder used in all mines.....	101
Powder used in shipping mines.....	102
Powder used in hand mining.....	103
Powder used in machine mining.....	103
Powder used in hand and machine mining.....	104
Blasting down coal in mines.....	105
Summary of all mines.....	105
Summary, graded product.....	106
Summary, aggregate value of product.....	107
Summary, average value per ton.....	108
Summary, disposition of output.....	109
Summary, tons mined by hand and machine, powder.....	110
Summary, employes, days, casualties.....	111
Fatal accidents for year.....	112
Fatal accidents, twenty-four years.....	113
Fatal accidents, by causes.....	115
Fatal accidents, leading causes, nineteen years.....	116
Fatal accidents caused by explosions, falls, others causes.....	117
Fatal accidents by falls, other causes, twenty-four years.....	120
Fatal accidents, conjugal relation.....	121
Fatal accidents, coal mines, United States, ten years.....	122
Non-fatal accidents, by districts.....	124
Non-fatal accidents, twenty-four years.....	125
Non-fatal accidents, by occupation.....	126
Non-fatal accidents, conjugal relation.....	127
Non-fatal accidents, by causes.....	127
Non-fatal accidents, caused by powder.....	129
Non-fatal accidents, falling roof and sides, twenty-four years.....	131
Fatal and non-fatal accidents, twenty-four years.....	132
PHYSICAL CHARACTER OF COAL MINES, BY COUNTIES—	
Bond.....	134
Brown, Bureau, Calhoun.....	135
Cass, Christian, Clinton, Edgar, Franklin.....	136
Fulton.....	137
Gallatin.....	138
Greene, Grundy, Hancock.....	139
Henry, Jackson.....	140
Jefferson, Johnson, Kankakee, Knox.....	141
LaSalle.....	142
Livingston, Logan.....	143
Macon, Macoupin.....	144
Madison, Marion.....	145
Marshall, McDonough.....	146
McLean, Menard.....	147
Mercer, Montgomery.....	148
Morgan, Peoria.....	149
Perry.....	150
Putnam, Randolph.....	151
Rock Island, Saline.....	152

	PAGE.
Sangamon, Schuyler.....	153
Scott, Shelby, Stark.....	154
St. Clair.....	155
Tazewell, Vermillion.....	157
Warren, Washington.....	158
White, Will, Williamson.....	159
Woodford	160
Summary, physical character of mines by geological number of seams.....	161
ANNUAL REPORTS OF STATE INSPECTORS OF MINES—	
FIRST INSPECTION DISTRICT—Hector McAllister, Inspector.	
Text of the report.....	162
New mines.....	163
Abandoned mines.....	163
Prospective mines.....	164
Fires at mines.....	164
Fatal accidents, description of.....	164
Tables of fatal and non-fatal accidents.....	167
STATISTICAL TABLES OF COUNTIES.	
Grundy county.....	172
Kankakee county.....	174
LaSalle county.....	176
Will county	178
Recapitulation by counties.....	180
SECOND INSPECTION DISTRICT—Thomas Hudson, Inspector.	
Text of the report	182
New mines.....	183
Mines abandoned.....	183
Mines destroyed by fire.....	184
Coal trade dull.....	184
Fatal accidents, description of.....	184
Tables of fatal and non-fatal accidents.....	187
STATISTICAL TABLES OF COUNTIES.	
Bureau county.....	192
Henry county.....	194
Knox county.....	196
Marcus county.....	198
Rock Island county.....	200
Warren county.....	202
Recapitulation by counties.....	204
THIRD INSPECTION DISTRICT—James Taylor, Inspector.	
Text of the report.....	206
Improvements	207
Discipline in coal mines.....	207
Dead holes.....	208
Shot firers.....	208
Accidents to shot firers.....	208
Fatal accidents, description of.....	209
Tables of fatal and non-fatal accidents.....	211
STATISTICAL TABLES OF COUNTIES.	
Livingston county.....	214
Marshall county.....	216
Peoria county.....	218
Putnam county	222
Stark county.....	222
Woodford county.....	223
Recapitulation by counties.....	224

FOURTH INSPECTION DISTRICT—<i>Thomas Weeks, Inspector.</i>	PAGE.
Text of the report.....	228
New mines.....	229
Abandoned mines.....	229
Prospective mines.....	229
Improvements	229
Fatal accidents, description of.....	230
Tables of fatal and non-fatal accidents.....	231
Statistical tables of counties.....	
STATISTICAL TABLES OF COUNTIES.	
Fulton county.....	234
Hancock county.....	238
McDonough county.....	240
McLean county.....	244
Tazewell county.....	246
Recapitulation by counties.....	248
FIFTH INSPECTION DISTRICT—<i>Thomas Hand, Inspector.</i>	
Text of the report.....	250
New mines.....	251
Abandoned mines.....	251
Improvements	251
Enforcement of mining laws.....	252
Fire at mines.....	252
Fatal accidents, description of.....	252
Table of fatal accidents.....	254
Table of non-fatal accidents	255
Table of fatal and non-fatal accidents.....	256
STATISTICAL TABLES OF COUNTIES.	
Macou county.....	258
Vermillion county.....	260
Recapitulation by counties.....	264
SIXTH INSPECTION DISTRICT—<i>Frank J. Campbell, Inspector.</i>	
Text of the report.....	266
New mines.....	267
Improvements	268
Changes of corporate names.....	268
Fatal accidents, description of.....	268
Fatal accidents, table of.....	270
Non-fatal accidents, table of.....	271
Table of fatal and non-fatal accidents.....	273
STATISTICAL TABLES OF COUNTIES.	
Brown county.....	274
Cass county.....	275
Logan county.....	276
Menard county.....	278
Sangamon county.....	280
Schuyler county.....	282
Recapitulation by counties.....	284
SEVENTH INSPECTION DISTRICT—<i>W. W. Williams, Inspector.</i>	
Text of the report.....	286
New mines.....	287
Prospective mines.....	288
Improvements	289
Abandoned mines.....	290
Changes of corporate names.....	290
Fatal accidents, description of.....	290
Fatal accidents, table of.....	293
Non-fatal accidents, table of.....	294
Table of fatal and non-fatal accidents.....	297

STATISTICAL TABLES OF COUNTIES.	PAGE
Calhoun county.....	298
Christian county.....	298
Greene county.....	300
Macoupin county.....	302
Montgomery county.....	304
Morgan county.....	306
Shelby county.....	308
Recapitulation by counties.....	310
EIGHTH INSPECTION DISTRICT,— <i>Walter Rutledge, Inspector.</i>	
Text of the report.....	312
New mines.....	313
Improvements	314
Changes of corporate names.....	314
Fatal accidents, description of	315
Fatal accidents, table of.....	318
Non-fatal accidents, table of.....	319
Tables of fatal and non-fatal accidents.....	321
STATISTICAL TABLES OF COUNTIES.	
Bond county.....	322
Madison county.....	324
St. Clair county.....	326
Recapitulation by counties	330
NINTH INSPECTION DISTRICT— <i>John Dunlop, Inspector.</i>	
Text of the report.....	332
New mines.....	333
Fatal accidents, description of.....	333
Fatal accidents, table of.....	336
Non-fatal accidents, table of.....	337
Tables of fatal and non-fatal accidents.....	338
STATISTICAL TABLES OF COUNTIES.	
Clinton county.....	340
Franklin county.....	340
Jefferson county.....	342
Marion county.....	342
Perry county.....	344
Randolph county.....	346
Washington county.....	348
White county.....	348
Recapitulation by counties.....	350
TENTH INSPECTION DISTRICT— <i>Thomas Little, Inspector.</i>	
Text of the report.....	352
New mines.....	355
Abandoned mines.....	355
Prospective mines.....	355
Improvements	355
Change of corporate names.....	356
Fatal accidents, description of.....	356
Fatal accidents, table of.....	358
Non-fatal accidents, description of	359
Table of fatal and non-fatal accidents.....	360
STATISTICAL TABLES OF COUNTIES.	
Gallatin county.....	362
Jackson county.....	364
Johnson county.....	366
Saline county.....	368
Williamson county.....	372
Recapitulation by counties	374

APPENDIX.

REGISTER OF CERTIFICATED—	PAGE
Mine managers.....	379
Holsting engineers.....	409
Mine examiners.....	411
ILLINOIS FREE EMPLOYMENT OFFICES—	
INTRODUCTION—	
Business of the four offices for the year.....	3
Classified occupations for seven years (males).....	9
Classified occupations for seven years (females).....	11
Applications for employment and positions secured for seven years.....	13
Applications for help and positions secured for seven years.....	14
Percentages of positions secured for employes and employers by years.....	15
Skilled labor.....	16
Unskilled labor.....	17
Applications for employment.....	18
Applications for help.....	22
Positions secured.....	26
Occupations classified.....	30
Summary leading occupations.....	34
Classification of occupations.....	36
Classification of occupations with percentages (both sexes).....	41
Percentages of positions secured.....	42
Age periods of applicants.....	43
Summary of age periods of applicants by classified occupation.....	48
Conjugal conditions.....	49
Nationality (both sexes).....	56
REPORTS OF SUPERINTENDENTS—	
NORTH SIDE OFFICE—<i>John E. Hufmeyer, Superintendent.</i>	
Text of the report.....	70
Expense account.....	71
Applications for employment and help.....	72
SOUTH SIDE OFFICE—<i>William H. Cruden, Superintendent.</i>	
Text of the report.....	74
Expense account.....	75
Applications for employment and help.....	76
WEST SIDE OFFICE—<i>S. P. Revere, Superintendent.</i>	
Text of the report.....	78
Expense account.....	79
Applications for employment and help.....	80
PEORIA OFFICE—<i>John W. Kimsey, Superintendent.</i>	
Text of the report.....	82
Expense account.....	83
Applications for employment and help.....	84

TWENTY-FIFTH ANNUAL REPORT.

Statistics of Coal in Illinois for the Year Ended June 30, 1906.

COAL IN ILLINOIS.

This is the twenty-fifth annual compilation of the statistics of coal mining in Illinois. These reports are compiled from the annual reports of the State inspectors of mines, which comprise a part of these records, and are made on blanks prepared by the Bureau for that purpose. The data thus furnished by the inspectors is obtained from prepared schedules sent by the inspectors to the operators, who in turn report in detail the information called for, thus forming an authoritative basis for the various deductions drawn from these returns.

The following are copies of the schedules sent to the operators of the shipping and local mines for the facts set forth in this report:

Schedule for Shipping Mines.

Annual Report of the Operators of Coal Mines to the

State Inspectors of Mines,

**To be Reported to the Secretary of the Bureau of Labor Statistics,
For the Year Ended June 30, 1906.**

Do Not Fail to Fill Every Blank on the Schedule.

Name of company, or operator.....	
Location of mine.....	
Post office address of main office.....	
Designation of shaft; name, number or letter.....	
Total tons mine run coal.....	
Total tons lump coal.....	
Total tons of egg coal.....	
Total tons nut coal.....	
Total tons slack or waste coal.....	
Total tons, output, all grades, for the year ended June 30, 1906.....	
Average value per ton of mine run coal at the mine..... (a)	\$.....
Average value per ton lump coal at the mine..... (a)	\$.....
Average value per ton egg coal at the mine..... (a)	\$.....
Average value per ton nut coal at the mine..... (a)	\$.....
Average value per ton screenings at the mine..... (a)	\$.....
Average value per ton slack or waste at the mine..... (a)	\$.....
(a) Sum total of sales, each grade, divided by total tons of same.	

DISPOSITION OF OUTPUT.

Total tons shipped on cars at the mine.....	.....
Total tons supplied at mine chutes to locomotives.....	.....
Total tons sold to local trade.....(a)	.....
Total tons consumed and wasted at mine.....(b)	.....
Total .....	.....

- (a) Including coal to employés.
- (b) Including all coal not sold.

Railroads on which coal is loaded at the mine for shipment, not including coal supplied through chutes to locomotives.

Name of Railroad.	Tons.
.....
.....
.....
.....
Total tons shipped.....

Railroads taking coal at mines through chutes to locomotives.

Name of Railroad.	Tons.
.....
.....
.....
.....
Total tons supplied to locomotives.....

Number of days of active operation during the year.....(c)
(c) Add the highest number of days on each pay roll.

Average number of miners employed during the year (d).....
Number of other employés under ground.....
Number of boys employed under ground.....
Number of all employés above ground.....
Total number of employés.....
Total tons mined by hand.....
Total tons mined by machine.....
Price paid per gross ton for hand mining..... \$.....
Price paid per gross ton for machine mining..... \$.....
Are wages paid monthly, semi-monthly or weekly?.....
Number and names of machines in use.....
.....
Machines operated by compressed air or electricity.....
Number of employés killed above ground.....below ground.....
Number of employés injured so as to lose 30 days or more of time: Above ground.....below ground.....Total number injured (e).....
Number of wives made widows.....Number of children left fatherless.....
(d) Total number on all pay rolls divided by the number of pay rolls.
(e) As far as possible, give the cause of injury on the blank furnished for non-fatal accidents.

Number of kegs used for blasting coal.....
Number of kegs used for other purposes.....

Quantity used during year.....
For what purpose.....

Name and kind of motor.....

Is coal blasted from solid?.....
Is coal undercut before blasting?.....

1905.	Total Tons.	1906.	Total Tons.
July		January	
August		February	
September		March	
October		April	
November		May	
December		June	

Total tons, output, all grades, for the year ended June 30, 1906.....

**Annual Report of the Operators of Local Coal Mines
to the**

For the Year Ending June 30, 1906.

Post office address

Number of tons or bushels of other grades, slack, \	Tons
nut, etc.	Bushels

Selling price per ton or bushel of other grades of	Tons, \$.....
coal at the mine.....	Bushel .....cents

Number of miners employed.....	}	Summer
		Winter

Please fill out this blank and return promptly to.....

State Mine Inspector,.....District.

The number of mine inspection districts of the State was increased by an Act of the Forty-fourth General Assembly (1905) from seven to ten; this law went into effect July 1, 1905. This change in the number of districts, with the consequent shifting of the several coal producing counties forming the newly created districts, makes the usual comparisons of output and other matters impossible.

The districts of the State as now formed are here given with the coal producing counties comprised in each:

First District—The counties of Grundy, Kankakee, LaSalle, Will.

Second District—The counties of Bureau, Henry, Knox, Mercer, Rock Island, Warren.

Third District—The counties of Livingston, Marshall, Peoria, Putnam, Stark, Woodford.

Fourth District—The counties of Fulton, Hancock, McDonough, McLean, Tazewell.

Fifth District—The counties of Edgar, Macon, Vermillion.

Sixth District—The counties of Brown, Cass, Logan, Menard, Sangamon, Schuyler.

Seventh District—The counties of Calhoun, Christian, Green, Jersey, Macoupin, Montgomery, Morgan, Scott, Shelby.

Eighth District—The counties of Bond, Madison, St. Clair.

Ninth District—The counties of Clinton, Franklin, Hamilton, Jefferson, Marion, Perry, Randolph, Wabash, Washington, White.

Tenth District—The counties of Gallatin, Jackson, Johnson, Saline, Williamson.

From the reports of the several inspectors the following summary is obtained:

SUMMARY FOR THE YEAR ENDED JUNE 30, 1906.

Number of counties producing coal	54
Number of mines and openings of all kinds	1,018
New mines or old mines reopened during the year.....	151
Mines closed or abandoned since last report	123
Total output of all mines, in tons of 2,000 pounds.....	38,317,581
Number of shipping or commercial mines	419
Total output of shipping mines, tons	37,122,811
Number of mines in local trade only.....	599
Output of local mines, tons.....	1,194,770
Total tons of mine-run coal.....	9,777,905
Total tons of lump coal.....	16,878,088
Total tons of egg coal.....	1,850,427
Total tons of nut coal.....	1,931,988
Total tons of pea coal.....	6,622,087
Total tons of slack coal.....	1,257,086
Total tons shipped	33,096,110
Tons supplied to locomotives at the mines.....	1,035,344
Tons sold to local trade	2,539,678
Tons consumed (or wasted) at the plant	1,646,449
Average days of active operation for shipping mines	189.6
Average days of active operation for all mines.....	172
Average value per ton, all grades at shipping mines	\$1.025
Average value per ton of mine-run coal at shipping mines.....	\$0.983
Average value per ton of lump coal at shipping mines.....	\$1.292
Average value per ton of egg coal at shipping mines.....	\$1.224
Average value per ton of nut coal at shipping mines.....	\$0.991
Average value per ton of pea or screenings coal at the mines.....	\$0.504
Average value per ton of slack coal at the mines.....	\$0.319
Aggregate home value of total product.....	\$39,895,802
Average value per ton, all grades, at the mines.....	\$1.041
Number of mines in which mining machines are used.....	85
Number of mining machines in use	962
Number of tons cut by machines.....	9,563,230
Number of tons mined by hand.....	28,754,351

Average number of miners employed during the year.....	42,920
Average number of other employés underground	11,605
Average number of boys employed underground,.....	1,499
Average number of employés above ground	6,259
Total employés.....	62,283
Number of persons at work underground.....	56,024
Number at work on surface.....	6,259
Average price paid per gross ton for hand mining, shipping mines.....	\$0.5702
Average price paid per gross ton for machine mining	\$0.442
Number of kegs of powder used for blasting coal.....	1,027,373
Number of kegs of powder used for other purposes	2,749
Number of pounds of dynamite.....	41,137
Number of men accidentally killed.....	155
Number killed inside of the mines	147
Number killed outside of the mines.....	8
Number of wives made widows.....	103
Number of children left fatherless.....	333
Number of men injured so as to lose a month or more of time	480
Number of gross tons mined to each life lost.....	247,210
Number of employés to each life lost	402
Number of deaths per 1,000 employed.....	2.5
Number of gross tons mined to each man injured	79,828
Number of employés to each man injured.....	130
Number injured to 1,000 employed.....	7.7

A comparison of some of the leading totals of former years shows the following differences: Fifty-four counties are reported this year as producing coal; this is two less than last year. Twenty years ago, 1887, only 49 counties were reported as producing coal; in 1890 and the next year 57 counties were reported; this is the largest number of counties ever reported; the number has varied from this last number down to 50 counties in 1897 and again to the number reported last year.

The number of mines reported this year is 1,018; this is a larger number than reported for any former year, the main increase being in mines of the shipping class, which now numbers 419, leaving 599 classed as local mines, whose output was only 3.12 per cent of the total output of the State.

The output for this year is 1,134,207 tons more than last year; the total output being 38,317,581 tons, of this total 37,122,811 tons or 96.88 per cent was the output of the shipping mines.

This year, in addition to the usual record of the tonnage of the mines, reports were secured of the tonnage by months from the operators of shipping mines; from these returns it is evident that the total tonnage of the State was materially lessened by the suspension of operations during the month of April and part of May, pending a settlement between the miners and operators of the rate for mining and other contingent rates for the succeeding two years to take effect April 1 of this year.

During the twelve months covered by this report it is found that for ten months, omitting April and May, the output of the shipping mines was 36,071,410 tons or 97.2 per cent of the total, leaving 1,051,401 tons or 2.8 per cent as the output for April and May. All of the months show an increase in tonnage over the preceding month up to April 1; the largest increase is found to be that of August over July, which was 948,702 tons or 50.2 per cent. The largest output in any one of the months during the year was in March, which was 5,378,459 tons. The

majority of the shipping mines of the State, if not the entire number, were operated at their maximum capacity during the month of March, contemplating the suspension already referred to; such being the case a fair estimate of the ability of these mines for the year, as then equipped, would be 64,541,508 tons.

The aggregate value of the total product of all mines for the year was \$39,895,802; the average value of coal per ton at the mines, in all parts of the State, was \$1.041, being the same as for 1905. The value per ton at the shipping mines for the several grades of coal varies some from that of last year; mine run sold for five cents less this year; lump for two cents more; egg for one cent less; nut for thirteen cents more. The tonnage of this latter grade of coal this year is only 5 per cent less than that of last year.

The number of persons working in the coal industry of the State increased 5 per cent, while the tonnage was only increased 3 per cent. Machine mining this year shows a marked increase over that of last year; the number of mines using machines is seven more than last year, the number of machines used increased by 178, or 22.7 per cent, while the coal cut by machines increased 1,361,164 tons, or 16.6 per cent. This year compared with the record of machines mining 10 years ago, 1897, it is found that the number of mines using machines increased by 42, or 97.7 per cent; the increase in the number of machines used was 642, or 200 per cent. The output of machine mines for 1897 was 3,946,257 tons, for this year it was 9,563,230 tons, an increase of 5,616,973 tons, or 142.6 per cent.

The quantity of powder used during the year was 1,030,022 kegs, this is 87,364 kegs or 9.27 per cent more than used last year. Ten years ago, 1897, there were 261,392 kegs of powder consumed; the output of coal for the same year being 15,660,698 tons; compared with this year the increase of powder was 768,630 kegs, or 294 per cent, while the increase in the output of coal is 22,656,883 tons, or 144.7 per cent; showing the increase of the ratio of powder to be more than double that of tons of coal produced.

A further analysis is presented of the use of powder used this year in reducing the coal in the mines of the State; this is set out in Tables 68, 69 and 70, wherein a separation of the manner of mining coal has been made, giving separately the mines, men, tons and kegs of powder used in hand and machine mines separately and where both systems of mining is employed.

The fatal casualties in the mines this year was 155; this is 44 or 22.11 per cent less than last year, and less than for any year since 1902. The non-fatal accidents for the year was 480; this comprises men who received injuries causing the loss of 30 or more days; the total number injured is 55 less than last year and 27 less than in 1904.

CLASSIFICATION OF MINES.

In presenting the classification of the coal mines of the State, giving the number of mines, men and tons, the distinction is made between those defined as shipping or commercial mines and those designated as local mines. While the shipping mines represent almost the entire capital, labor and output of this great industry, the local mines have their

place in the making up of the entire record and in supplying fuel for the immediate neighborhoods in which they are located. This is the fifth year that the distinction named has been carried through all of the computations drawn from the returns made by the operators through the inspectors.

The following table shows the number of mines, men and tons for the State and for each class in the several districts :

TABLE 1—*Mines, Men and Tons, Shipping and Local Mines, by Districts, 1906.*

DISTRICT.	TOTAL.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	72	7,091	2,936,330	34	6,768	2,843,504	38	323	92,826
Second	142	6,293	2,311,494	22	5,663	2,087,227	120	630	224,267
Third	129	3,623	1,869,023	29	3,057	1,675,654	100	566	193,369
Fourth	175	3,845	2,026,383	33	3,261	1,843,293	142	584	183,090
Fifth	66	3,997	2,283,018	26	3,683	2,128,332	40	314	154,686
Sixth	83	7,856	5,160,607	49	7,646	5,097,776	34	210	62,831
Seventh	71	6,895	4,878,092	36	6,621	4,815,953	35	274	62,139
Eighth	121	8,633	7,330,093	78	8,334	7,189,785	43	299	140,308
Ninth	62	6,380	4,132,639	52	6,324	4,110,043	10	56	22,596
Tenth	97	7,670	5,389,902	60	7,494	5,331,244	37	176	58,658
The State.	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770

Considering the totals for the State, it is found that the increases over last year have been : mines, 2.83 per cent ; men, 5.15 per cent ; tons, 3.05 per cent.

The following table shows the percentages of the mines, men and tons located in each of the 10 districts, also the percentages of the same numbers as to shipping and local mines in each district

TABLE 2—*Percentages of Mines, Men and Tons, All Mines, and of Shipping and Local Mines, 1906.*

DISTRICTS.	PERCENTAGES.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	7.07	11.39	7.66	47.22	95.44	96.84	52.78	4.56	3.16
Second	13.95	10.10	6.03	15.49	89.99	90.30	84.51	10.01	9.70
Third	12.67	5.82	4.88	22.48	84.38	89.65	77.52	15.62	10.35
Fourth	17.19	6.18	5.29	18.86	81.81	90.96	81.14	15.19	9.04
Fifth	6.48	6.42	5.96	39.39	92.14	93.22	60.61	7.86	6.78
Sixth	8.15	12.60	13.47	59.04	97.33	98.78	40.96	2.67	1.22
Seventh	6.98	11.07	12.73	50.70	96.03	98.73	49.30	3.97	1.27
Eighth	11.89	13.86	19.13	64.46	96.54	98.09	35.54	3.46	1.91
Ninth	6.09	10.25	10.78	83.87	99.12	99.45	16.13	0.88	0.55
Tenth	9.53	12.31	14.07	61.86	97.71	98.91	38.14	2.29	1.09
The State	100.00	100.00	100.00	41.16	94.49	96.88	58.84	5.51	3.12

Referring to the percentages of all of the mines, men and tons of the State, it will be seen that the fourth district contains the largest number of mines, being 17.19 per cent; while the ninth district has the smallest number, 6.09 per cent. The largest number of men employed is 13.86 per cent in the eighth district, the smallest number or 5.82 per cent in the third district. Much the largest proportion of the output was produced by the eighth district, 19.13 per cent; this was furnished by the three coal producing counties in that district, Bond, Madison and St. Clair; the smallest output, 4.88 per cent, appears in the third district.

Observing the percentages of the same numbers for the shipping and local mines, it is found for the State, that shipping mines represent 41.16 per cent of the whole number, employing 94.49 per cent of the men, and produced 96.88 per cent of the total tonnage.

The number of mines in the shipping class increased 5.54 per cent over last year, and 35.16 per cent over the number reported ten years ago. Contrasting the foregoing, the local mines, representing 58.84 per cent of the whole number, gave employment to only 5.51 per cent of the men, and producing but 3.12 per cent of the coal mined in the State.

INCREASE OR DECREASE.

The next table presents the total number of mines, men and tons of the State for the years 1905 and 1906, and for the ten districts, showing

the increase or decrease in each. The totals for 1905 are derived from and based on the reports from the counties of the seven districts of that year, and now comprising the ten inspection districts of the State.

TABLE 3—*Mines, Men and Tons for the Years 1905 and 1906, with the Increase or Decrease, by Districts.*

DISTRICT.	TOTALS—1905.			TOTALS—1906.			INCREASE (+) OR DECREASE (—) FOR YR. 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	76	7,656	3,152,413	72	7,091	2,936,330	— 4	— 565	—216,083
Second.....	146	6,333	2,620,365	142	6,293	2,311,494	— 4	— 40	—308,871
Third.....	134	3,764	1,860,328	129	3,623	1,869,023	— 5	— 141	+ 8,695
Fourth.....	142	3,318	1,905,004	175	3,845	2,026,383	+33	+ 527	+121,379
Fifth.....	73	4,529	2,820,553	66	3,997	2,283,018	— 7	— 532	—537,535
Sixth.....	82	7,445	5,253,437	83	7,856	5,160,607	+ 1	+ 411	— 92,830
Seventh.....	89	5,886	4,018,398	71	6,895	4,878,092	—18	+1,009	+859,694
Eighth.....	113	8,063	6,515,753	121	8,633	7,330,093	+ 8	+ 570	+814,340
Ninth.....	62	5,994	4,012,980	62	6,380	4,132,639	.....	+ 386	+119,659
Tenth.....	73	6,242	5,024,143	97	7,670	5,389,902	+24	+1,428	+365,759
The State....	990	59,230	37,183,374	1,018	62,283	38,317,581	+28	+3,053	+1,134,107

From this it is shown that the number of mines increased in the fourth, sixth, eighth and tenth districts, and decreased in the first, second, third, fifth and seventh; the ninth district had the same number for both years; the net increase being 28 mines. The main increase in the number of men employed appears in the seventh and tenth districts, the decrease was chiefly in the first and fifth districts; however, the net increase in the number of men was 3,053. The total net increase in the output was 1,134,207 tons; this was principally in the seventh, eighth and tenth districts.

SHIPPING AND LOCAL MINES.

The following table presents the total number of mines, men and tons for a series of 14 years; also the same for the two classes, shipping and local mines. During these years the number of all mines has increased 29.2 per cent; the number of men employed 76 per cent and the output 92.1 per cent. The number of shipping mines has increased 35.2 per cent; men 104.9 per cent; and the output 92.8 per cent. Local mines

have increased in number 25.3 per cent and the output 72.7 per cent; while the number of men employed has decreased 48.4 per cent.

TABLE 4—*Mines, Men and Tons, Shipping and Local Mines, for Fourteen Years.*

YEAR.	TOTAL.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	310	28,737	19,257,682	478	6,653	691,882
1894.....	836	38,477	17,113,576	319	31,243	16,106,613	517	7,234	1,006,963
1895.....	874	38,630	17,735,864	319	31,174	16,578,890	555	7,456	1,156,974
1896.....	901	37,032	19,786,626	330	28,185	18,263,056	571	8,847	1,523,570
1897.....	853	33,788	20,072,758	310	31,322	19,386,573	543	2,466	686,185
1898.....	881	35,026	18,599,299	329	32,297	17,655,561	552	2,729	943,738
1899.....	889	36,991	23,434,445	323	34,307	22,531,356	566	2,684	903,089
1900.....	920	39,384	25,153,929	323	36,298	24,056,996	597	3,086	1,096,933
1901.....	915	44,143	26,635,319	331	40,926	25,526,816	584	3,217	1,108,503
1902.....	915	46,005	30,021,300	332	42,807	28,824,750	583	3,198	1,196,550
1903.....	933	49,814	34,955,400	353	46,494	33,676,537	580	3,320	1,278,863
1904.....	932	54,774	37,077,897	380	51,384	35,779,517	552	3,390	1,298,380
1905.....	990	59,230	37,183,374	397	55,743	35,956,543	593	3,487	1,226,831
1906.....	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770
Increase	230	26,893	18,368,017	109	30,154	17,865,129	121	*3,221	502,888
Percentages of increase..	29.19	75.99	92.07	35.16	104.93	92.77	25.31	*48.41	72.68

* Decrease.

The same totals for all mines with the percentages of the relative efficiency of the shipping and local mines for 14 years are shown in the following table:

TABLE 5—*Mines, Men and Tons, with Percentages of Shipping and Local Mines for Fourteen Years.*

YEARS.	TOTALS—ALL MINES.			PERCENTAGES.					
				SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	39.34	81.20	96.53	60.66	18.80	3.47
1894.....	836	38,477	17,113,576	38.16	81.20	94.10	61.84	18.80	5.90
1895.....	874	38,630	17,735,864	36.50	80.70	93.48	63.50	19.30	6.52
1896.....	901	37,032	19,786,626	36.62	76.11	96.26	63.38	23.89	3.74
1897.....	853	33,788	20,072,758	36.38	92.72	96.53	63.62	7.28	3.47
1898.....	881	35,026	18,599,299	37.49	92.30	94.93	62.51	7.70	5.07
1899.....	889	36,991	23,434,445	36.33	92.74	96.15	63.67	7.26	3.85
1900.....	920	39,384	25,153,929	35.11	92.16	95.64	64.89	7.84	4.36
1901.....	915	44,143	26,635,319	36.17	92.71	95.84	63.83	7.29	4.16
1902.....	915	46,005	30,021,300	36.28	93.06	96.01	63.72	6.95	3.99
1903.....	933	49,814	34,955,400	37.83	93.34	96.34	62.17	6.66	3.66
1904.....	932	54,774	37,077,897	40.77	93.81	96.50	59.23	6.19	3.50
1905.....	990	59,230	37,183,374	40.10	94.11	96.70	59.90	5.89	3.30
1906.....	1,018	62,283	38,317,581	41.16	94.49	96.88	58.84	5.51	3.12

From this showing it is seen that the shipping mines attained for this year an increase as to mines, men and tons over any former year.

GROUPING OF MINES BY OUTPUT.

The grouping or classification of all of the coal mines of the State, based on their output, is presented in the following table :

TABLE 6—*Grouping of Mines by Tonnage and Districts, 1906.*

DISTRICTS.	TONNAGE AND MINES PRODUCING—											
	Under 1,000.		1,000 and under 10,000.		10,000 and under 50,000.		50,000 and under 100,000.		100,000 and under 200,000.		200,000 and over.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
First	14	6,585	25	75,830	10	296,733	9	642,758	14	1,914,424	.....	.....
Second	71	29,528	53	173,446	5	85,614	4	298,390	4	515,443	5	1,209,075
Third	62	13,591	39	131,132	15	297,629	8	540,606	3	387,359	2	498,706
Fourth	108	38,703	38	137,590	17	386,900	5	287,473	5	738,573	2	437,054
Fifth	7	3,342	33	127,134	13	407,200	7	431,478	3	453,471	3	860,333
Sixth	23	11,673	12	33,987	20	987,751	3	235,651	20	2,711,490	5	1,180,105
Seventh	17	9,621	18	45,426	10	276,152	7	563,089	11	1,678,444	8	2,305,360
Eighth	14	7,698	26	83,999	37	1,112,785	20	1,413,306	13	1,715,543	11	2,996,762
Ninth	1	120	12	37,429	27	822,824	5	326,903	12	1,601,704	5	1,343,569
Tenth	19	6,373	26	103,150	13	424,234	21	1,376,274	12	1,745,805	6	1,734,066
The State.	336	127,232	282	949,073	167	5,097,972	89	6,116,018	97	13,462,256	47	12,565,030

This exhibit reveals the respective importance of the six different groupings of mines as to their production of the coal for the year. The smaller mines are largely in excess as to numbers ; it is shown that 618 of this class, being 60.7 per cent of the whole number and producing less than 10,000 tons each, had a total output of 1,076,305 tons, or 2.81 per cent of the total output.

The following table of percentages of mines, men and tons, by districts, presents a better opportunity for comparison:

TABLE 7—*Percentages of Mines, Men and Tons of Specified Classes, by Districts.*

DISTRICT.	PERCENTAGES OF MINES, MEN AND TONS—MINES PRODUCING—											
	LESS THAN 10,000 TONS.			OVER 10,000 AND LESS THAN 50,000 TONS.			OVER 50,000 AND LESS THAN 100,000 TONS.			OVER 100,000 TONS.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	54.17	3.91	2.81	13.89	11.73	10.11	12.50	23.30	21.89	19.44	61.06	65.19
Second..	37.32	9.68	3.78	3.52	2.61	3.70	2.82	9.29	12.91	6.84	78.42	74.61
Third..	78.29	13.91	7.11	11.63	15.64	15.92	6.20	21.53	28.98	3.85	47.92	47.41
Fourth..	83.43	19.17	8.11	9.71	19.30	19.10	2.86	15.37	14.19	4.00	16.16	59.01
Fifth...	60.61	9.69	5.71	19.69	19.54	17.84	10.61	21.54	19.90	9.09	49.24	57.55
Sixth...	42.17	2.51	0.88	24.10	10.05	19.14	3.61	19.75	4.57	30.12	68.69	75.41
Seventh	49.30	4.12	1.13	14.08	9.49	5.06	9.85	16.27	11.54	26.76	70.12	81.67
Eighth..	33.06	2.76	1.25	30.59	19.78	15.18	16.53	19.68	19.29	19.83	59.90	64.29
Ninth...	20.97	1.91	0.91	43.55	26.32	19.91	8.06	8.07	7.91	27.42	63.70	71.27
Tenth... . . .	46.89	4.57	2.03	13.40	11.81	7.97	21.65	26.49	25.54	18.56	51.13	64.56
The State.	60.71	5.95	2.81	16.40	14.09	13.30	8.74	19.02	15.96	14.15	61.95	67.93

Here it appears that, by subdividing the four groups into two, the class producing less than 50,000 tons, accounts for 77.11 per cent of the mines; 20.03 per cent of the men and 16.11 per cent of the tonnage; while the mines whose output was 50,000 tons and over represent only 22.89 per cent of the mines but show the employment of 79.97 per cent of the men, and produced 83.89 per cent of all the coal.

This matter is further illustrated in the following table:

TABLE 8—*Classification of Mines as to Tonnage, with Percentages of Mines, Men and Tons, 1906.*

MINES PRODUCING.	Number of mines.	Number of men.	Tonnage.	PERCENTAGES OF		
				Mines.	Men.	Tons.
Less than 1,000 tons.. . . .	336	967	127,232	33.01	1.55	0.33
1,000 and less than 10,000.	282	2,739	949,073	27.70	4.40	2.48
10,000 and less than 50,000.	167	8,772	5,097,972	16.40	14.06	13.30
50,000 and less than 100,000.	69	11,222	6,116,018	8.74	19.02	15.96
100,000 and less than 200,000.	97	21,463	13,462,256	9.53	34.49	35.14
200,000 and over.	47	17,101	12,565,030	4.61	27.45	32.79
Totals.	1,018	62,263	28,317,581	100.00	100.00	100.00

Here is shown the total number of mines, men and tons in each class and the State, also the percentages.

The grouping of these mines already shown is presented in the following table for a series of twenty-four years:

TABLE 9—*Number of Mines in Specified Groups of Tonnage for a Series of Twenty-four Years.*

YEAR.	NUMBER OF MINES PRODUCING—						Total mines.
	Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.	
1883.....	209	233	133	39	10	15	639
1884.....	262	273	148	38	16	4	741
1885.....	286	290	143	40	13	1	778
1886.....	216	280	135	44	11	3	789
1887.....	320	278	141	42	18	2	801
1888.....	327	272	151	47	20	5	822
1889.....	321	316	139	55	20	3	854
1890.....	398	301	155	54	24	4	936
1891.....	403	280	161	52	37	6	918
1892.....	332	239	151	65	46	6	839
1893.....	282	232	140	75	47	12	788
1894.....	312	252	161	61	44	6	836
1895.....	319	276	145	61	45	9	855
1896.....	330	280	128	63	45	16	862
1897.....	346	250	120	79	41	17	853
1898.....	351	244	151	86	42	7	881
1899.....	346	261	123	78	56	25	889
1900.....	340	295	123	70	65	27	920
1901.....	313	308	124	79	58	33	915
1902.....	314	263	152	76	72	38	915
1903.....	313	293	120	75	87	45	933
1904.....	301	275	140	72	98	46	932
1905.....	321	299	147	83	88	52	990
1906.....	336	282	167	89	97	47	1,018
Increase in 24 years	127	49	34	50	87	32	379

The noticeable feature here is the variable increase and decrease in the number of mines in the several groups, from year to year, there being no uniformity in this regard in either of the groups or in the total number for the State. Compared with last year, the number of mines, whose output was less than 50,000 tons, increased by 18, while there was an increase of 10 in the number of mines producing more than that number of tons.

The following table presents the same features as the preceding table but reduced to percentages :

TABLE 10—*Percentages of Mines in Specified Grouping of Tonnage for a Series of Twenty-four Years.*

YEAR.	Total mines.	PERCENTAGES OF MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1883	639	32.71	36.47	20.81	6.10	1.56	2.35
1884	741	35.36	36.84	19.97	5.13	2.16	.54
1885	778	36.76	37.27	18.38	5.14	2.32	.13
1886	789	40.05	35.49	17.11	5.58	1.39	.38
1887	801	39.95	34.71	17.60	5.24	2.25	.25
1888	822	39.79	33.09	18.37	5.71	2.43	.61
1889	854	37.59	37.00	16.28	6.44	2.34	.35
1890	936	42.52	32.16	16.56	5.77	2.56	.43
1891	918	43.79	28.32	17.54	5.67	4.03	.65
1892	839	39.69	29.44	17.76	7.03	4.89	1.19
1893	788	35.91	29.44	16.24	10.92	5.71	1.78
1894	836	37.08	29.07	19.62	8.25	5.26	.72
1895	859	36.43	33.29	16.65	7.33	5.25	1.05
1896	874	38.90	30.66	14.88	8.35	5.61	1.60
1897	853	40.56	29.31	14.07	9.26	4.81	1.99
1898	861	39.84	27.70	17.14	9.76	4.77	.79
1899	889	38.92	29.36	13.84	8.66	6.41	2.81
1900	920	36.96	32.07	13.37	7.61	7.06	2.93
1901	915	34.21	33.66	13.55	8.63	6.34	3.61
1902	915	34.32	28.74	16.61	8.31	7.87	4.15
1903	933	33.55	31.40	12.86	8.04	9.33	4.82
1904	932	32.30	29.50	15.02	7.73	10.51	4.94
1905	990	32.43	30.20	14.85	8.38	8.89	5.25
1909	1,018	33.01	27.70	16.40	8.74	9.53	4.62
Percentages of increase in 24 years		60.77	21.03	25.56	128.21	870.00	213.33

Here can be seen the importance of the different classes of mines in producing the yearly output of the State. Compared with the record of ten years ago, it will be seen that the number of mines producing 50,000 tons and over have increased seven per cent, and a like per cent of decrease in the number of mines producing less than that tonnage.

A further presentation of this grouping of mines is shown in the following table:

TABLE 11—*Grouping of Mines by Tonnage for a Series of Fifteen Years.*

YEAR.	TONNAGE OF MINES PRODUCING—					
	Under 1,000 tons.	1,000 and under 10,000.	10,000 and under 50,000.	50,000 and under 100,000.	100,000 and under 200,000.	200,000 and over.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1892.....	147,777	1,058,078	4,134,259	4,293,472	5,855,091	2,373,599
1893.....	121,636	726,199	3,132,499	6,179,487	6,291,965	3,497,778
1894.....	137,507	702,623	4,022,545	4,742,257	6,035,094	1,473,550
1895.....	151,430	866,019	3,609,918	4,416,969	6,346,937	2,344,591
1896.....	141,690	807,148	3,265,822	5,049,694	6,557,545	3,962,435
1897.....	150,445	773,526	3,162,713	5,693,193	5,778,374	4,514,507
1898.....	161,622	692,149	3,785,962	6,351,513	5,898,596	1,709,457
1899.....	137,582	790,948	2,877,117	5,618,924	7,443,023	6,566,851
1900.....	154,318	969,424	3,255,570	5,009,326	8,995,963	6,769,328
1901.....	227,419	838,989	3,393,827	5,795,953	8,008,897	8,370,234
1902.....	161,058	763,597	3,694,890	5,376,350	9,923,538	10,101,867
1903.....	126,678	871,342	3,396,343	5,445,195	12,387,437	12,728,405
1904.....	126,397	934,042	3,602,660	5,200,551	13,753,975	13,460,272
1905.....	129,403	993,394	3,852,565	5,868,103	12,158,090	14,181,792
1906.....	127,232	949,073	5,097,972	6,116,018	13,462,256	12,565,030
Increase (+) or decrease (—) in 15 years..	—20,545	—109,005	+963,713	+1,822,546	+7,607,165	+10,191,431

Here is shown the specific tons produced by the different classes of mines for a series of fifteen years. The two groups producing 100,000 tons or more show an increase during these years of a tonnage nearly equal to the total output of all the mines of the State for the year 1892, first shown in the table. There was a falling off from last year in the tonnage of the two groups, showing an output of 100,000 tons and over, amounting to over 300,000 tons. Counteracting this decrease in the larger plants of the State, it is shown that the mines of the two groups producing 10,000 tons and less than 100,000 exhibit an increase of about one and a half million tons.

The table following presents the total tonnage of the State for 15 years, with the percentages of the tons produced in each of the six groups which have been shown in this series of tables:

TABLE 12—*Percentages of Tons Produced by Specified Grouping of Tonnage for Fifteen Years.*

YEARS.	Total tons	PERCENTAGE OF TONS PRODUCED BY MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1892	17,862,276	.82	5.92	23.15	24.04	32.78	13.29
1893	19,949,564	.61	3.64	15.70	30.98	31.54	17.53
1894	17,113,576	.80	4.11	23.50	27.71	35.26	8.61
1895	17,735,864	.85	4.88	20.35	24.91	35.79	13.22
1896	19,784,334	.72	4.08	16.51	25.52	33.14	20.03
1897	20,072,758	.75	3.85	15.75	28.37	28.79	22.49
1898	18,599,299	.87	3.72	20.36	34.15	31.71	9.19
1899	23,434,445	.59	3.98	12.28	23.97	31.76	28.02
1900	25,153,929	.61	3.86	12.94	19.92	35.76	26.91
1901	26,635,319	.85	3.15	12.74	21.76	30.07	31.43
1902	30,021,300	.54	2.54	12.31	17.90	33.06	33.65
1903	34,955,400	.36	2.49	9.72	15.58	35.44	36.41
1904	37,077,897	.34	2.52	9.72	14.03	37.09	36.30
1905	37,183,374	.35	2.67	10.36	15.78	32.70	38.14
1906	38,317,581	.33	2.48	13.31	15.96	35.13	32.79
Percentage of increase (+) or decrease (—) in fifteen years.....	+53.38	—13.90	—10.30	+23.31	+42.45	+129.92	+429.37

The last line of the table presents the percentages of increase or decrease since the year 1892, and shows that the total output of the State has increased during these years 53.38 per cent; each of the two groups of mines producing less than 10,000 tons show a decrease, while all of the other groups show a decided increase.

COLLIERIES OF LARGEST OUTPUT.

The collieries of the State of largest output have, for a number of years, been presented in these reports in two classes, giving the names of the operators and the location of the mines, with the tonnage of each. The division has been of the mines producing 100,000 tons and less than 200,000, and those whose output is more than 200,000 tons.

The following table presents the results of the continuing
 research on the part of the Bureau.

FILE 3- PERS. INFO MUST BE 10,000 THIS AND ALL THE
IN, ON THE & (US ARE CUN- COLLECTED. BEING FOR THE TIME.

DESCRIPTION	AMOUNT	TOTAL
1. Balance forward	100.00	100.00
2. Cash	50.00	150.00
3. Accounts receivable	25.00	175.00
4. Inventory	15.00	190.00
5. Prepaid expenses	10.00	200.00
6. Equipment	100.00	300.00
7. Accumulated depreciation	(50.00)	250.00
8. Accounts payable	(20.00)	230.00
9. Long-term debt	(10.00)	220.00
10. Equity	20.00	240.00
11. Retained earnings	10.00	250.00
12. Dividends	(10.00)	240.00
13. Sales	100.00	340.00
14. Cost of sales	(50.00)	290.00
15. Selling expenses	(10.00)	280.00
16. Administrative expenses	(10.00)	270.00
17. Depreciation expense	(5.00)	265.00
18. Interest expense	(5.00)	260.00
19. Income tax expense	(5.00)	255.00
20. Net income	10.00	265.00
21. Dividends	(10.00)	255.00
22. Retained earnings	10.00	265.00
23. Total		265.00

Table 13—Continued.

Rank.	Companies.	Location.	Tons.
36	Clark Coal & Coke Co., A	Peoria	146,620
37	Peabody Coal Co., No. 2	Marion	146,480
38	Springfield Coal Mining Co. No. 1	Riverton	143,873
39	Acme Coal Co.	Streator	143,342
40	Oglesby Coal Co., Oglesby	Oglesby	143,243
41	Whitebreast Fuel Co. of Illinois, F	Dunfermline	141,864
42	Missouri & Illinois Coal Co., No. 4	Willisville	141,596
43	Suburban Coal Mining Co.	Belleville	141,241
44	Chicago-Herrin Coal Co	Herrin	139,636
45	Coal Valley Mining Co., No. 2	Sherrard	138,768
46	DeCamp Coal Mining Co	Staunton	138,697
47	Empire Coal Co., No. 3	Gilchrist	138,290
48	Spring Valley Coal Co., No. 3	Spring Valley	138,173
49	St. Paul Coal Co., No. 1	Granville	135,004
50	White Walnut Coal Co., White Walnut	Pinckneyville	133,196
51	LaSalle County Carbon Coal Co., LaSalle	LaSalle	133,165
52	Tuxhorn Coal Mining Co., No. 3	Keys	132,556
53	Braceville Coal Co., No. 5	Braceville	132,318
54	Springfield Coal Mining Co., No. 3	Starnes	131,307
55	Chicago-Springfield Coal Co	Springfield	130,668
56	Illinois Collieries Coal Co., No. 6 ...	Sorento	129,227
57	Johnson City & Big Muddy Coal & Mining Co., No. 1 ..	Johnson City	128,022
58	Southern Coal Co., No. 9	St. Louis	125,436
59	Norris Coal Mining Co., N. M.	Norris	125,000
60	LaSalle County Carbon Coal Co., Rockwell	LaSalle	122,997
61	Odin Coal Co., No. 1	Odin	121,658
62	Big Muddy Coal & Iron Co., Harrison	Murphysboro	120,313
63	Prairie Coal Co	Belleville	120,000
64	Penwell Coal Co	Pana	119,728
65	Green Ridge Coal Co., No. 1	Green Ridge	119,559
66	Matthiesson & Hegeler Zinc Co.	LaSalle	116,750
67	Moffat Coal Co., No. 1	Sparta	116,687
68	West End Coal Co., West Shaft	Springfield	116,677
69	Auburn & Alton Coal Co	Auburn	116,640
70	Jos. Taylor Coal Co	O'Fallon	115,221
71	Williamson Coke & Coal Co., No. 1	Johnson City	115,053
72	McLean County Coal Co., No. 1	Bloomington	115,000

Table 13—Concluded.

Rank.	Companies.	Location.	Tons.
73	Citizens' Coal Mining Co., A	Springfield	114,886
74	Sangamon Coal Co.. No. 2.....	do.....	114,767
75	Kelly Coal Co., Himrod	Danville	114,111
76	Citizens' Coal Mining Co., No. 1	Lincoln	112,857
77	Consolidated Coal Co.. Breese	Breese	111,040
78	Chicago & Marion Coal Co, White Ash.....	Marion	110,649
79	International Coal & Mining Co., Carbon.....	O'Fallon	108,883
80	Pana Coal Co., No. 1	Pana	108,751
81	Consolidated Coal Co., No. 7.....	Staunton	107,602
82	Big Four Wilmington Coal Co., No. 3	Carbon Hill	107,559
83	Standard Wash Coal Co.. No. 2.....	Bissell	107,369
84	Greenview Coal Mining Co., No. 1.....	Greenview	107,131
85	Jos. Taylor Coal Co., St. Ellien	O'Fallon	106,182
86	Wenona Coal Co., No. 1	Wenona.....	105,735
87	Duquoin Operating Co., Davis.....	Duquoin	104,489
88	Willis Coal Mining Co., No. 6.....	Percy	104,297
89	Chicago, Wilmington & Vermilion Coal Co., No. 2.....	LaSalle	103,186
90	Deering Coal Co., No. 11 ,.....	West Frankfort	102,419
91	Big Four Wilmington Coal Co., No. 6	Carbon Hill	102,411
92	Athens Mining Co., No. 2 ...	Athens.....	102,091
93	Edwardsville Coal Co	Edwardsville	101,963
94	Southern Coal & Mining Co.....	Belleville	101,907
95	Big Four Wilmington Coal Co., No. 5	Carbon Hill	101,861
96	Williamsville Coal Co.....	Selbytown	100,733
97	Marquette Coal Co.. No. 1.....	Marquette	100,212
	Total tons .....	.....	13,462,256

In this list 97 individual mines are represented with a total output of 13,462,256 tons; this is an increase over last year, in this class of collieries, of nine mines and 1,304,166 tons.

Table 14 following gives the list of the collieries whose output for the year was 200,000 tons and more. In addition to the preceding table, this table gives the number of days each mine was in operation, the depth of the coal below the surface, the thickness of the seam and the method of mining the coal:

TABLE 14—*Mines from which more than 200,000 Tons of Coal have been delivered during the Year 1906.*

Rank	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam.	How worked.	Tons.
1	Superior Coal Co., No. 1..	Gillespie ..	223	348	8	M.	480,260
2	Superior Coal Co., No. 2..	do.....	222	324	8	M.	457,863
3	Pittenger & Davis M. & M. Co., Nos. 3-4	Centralla ..	221	636	6	H.	400,465
4	Big Muddy Coal & Iron Co., No. 7.	Herrin ..	240	140	9	H.	363,573
5	St. Louis & O'Fallon Coal Co., No. 1 ..	East St. Louis..	218	100	6	H.	355,463
6	Mt. Olive & Staunton Coal Co., No. 2.	Staunton.....	209	300	7	M.	349,455
7	Donk Bros. Coal & Coke Co., No. 1 ..	Donkville ..	184	135	7	H.	343,184
8	Mt. Olive-Staunton Coal Co., No. 1	Staunton..	206	292	7	M.	324,232
9	Chicago-Carterville Coal Co., A....	Herrin ..	214	180	9	H-M.	312,482
10	Dering Coal Co., No. 1.....	Westville ..	225	210	7	H.	304,178
11	Dering Coal Co., No. 2., ..	do...	226	215	6	H.	301,810
12	Devlin Coal Co., No. 1.....	Toluca ..	218	512	2-9	H.	290,832
13	Sunnyside Coal Co., No. 1.....	Herrin ..	194	145	9	H-M.	289,874
14	Donk Bros. Coal & Coke Co., No. 2 ..	Maryville ..	200	245	7	M.	284,225
15	Madison Coal Co., No. 8 ..	Dewmaine ..	220	90	9	H.	277,270
16	Willis Coal Mining Co., No. 1 ..	Willisville..	269	80	6	H-M.	272,755
17	Spring Valley Coal Co., No. 1.....	Spring Valley ..	300	260	3.6	H.	271,900
18	Peabody Coal Co., No. 3.	Marion.....	174	102	9	H-M.	258,308
19	Kelly Coal Co., No. 4 ..	Danville ..	240	90	7	M.	254,345
20	St. Louis & O'Fallon Coal Co., No. 2....	East St. Louis ..	280	197	6	M.	251,515
21	Donk Bros. Coal & Coke Co., No. 3....	Troy ..	210	280	5	H.	249,529
22	Latham Coal Co., Latham ..	Lincoln ..	200	240	5	H.	247,695
23	Consolidated Coal Co., No. 15 ..	Mt. Olive.....	222	362	8	M.	244,750
24	Chicago, Wilm. & Ver. Coal Co., No. 1..	Thayer.....	135	292	7.4	M.	244,009
25	Spring Valley Coal Co., No. 2.....	Spring Valley ..	191	365	3.6	H.	241,630
26	Madison Coal Co., No. 6, ..	Divernon.....	133	312	8	M.	241,150
27	Illinois Third Vein Coal Co., No. 1..	Ladd ..	228	480	3.6	H.	239,880
28	Zeigler Coal Co., No. 1.....	Zeigler.....	275	417	12	M.	228,654
29	Spring Valley Coal Co., No. 4 ..	Spring Valley ..	216	400	3.6	H.	237,226
30	Springfield Coal Mining Co., No. 2.	Riverton ..	*	250	5.9	H.	226,157

Table 14—Concluded.

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam.	How worked.	Tons.
31	Burnwell Coal Co., No. 1	Witt	220	500	8	H.	235,951
32	Illinois Collieries Co., No. 1.	Viriden	143	320	7.5	M.	224,922
33	Big Creek Coal Co., No. 2.	St. David	251	45	5	H.	224,596
34	Royal Colliery Co., No. 1	Viriden	223	350	6.6	H.	221,177
35	Western Coal Mining Co., No. 1.	Bush	221	185	9	H.	220,461
36	Breese-Trenton Mining Co., No. 1	Breese	200	400	8	M.	219,949
37	Lumaghi Coal Co., No. 2	Collinsville	176	170	7	M.	218,414
38	Spring Valley Coal Co., No. 5	Spring Valley	215	420	3.6	H.	218,201
39	Illinois Collieries Co., No. 5.	Girard	190	280	7	H.	212,500
40	Consolidated Coal Co., No. 17	Collinsville	204	165	6	M.	212,526
41	Majestic Coal & Coke Co., Majestic ..	Duquoin	250	400	9	H.	211,746
42	Illinois Midland Coal Co., Victor Mine..	Pawnee	177	325	7.5	H.	210,204
43	Cardiff Coal Co., No. 14	Cardiff	180	255	3.6	H.	207,874
44	Consolidated Coal Co., No. 14	Stanton	184	325	7	M.	206,848
45	Madison Coal Corporation, No. 4	Glen Carbon ..	180	130	7	M.	204,581
46	Madison Coal Corporation, No. 2.	do	181	297	5.5	H.	203,189
47	Maplewood Coal Co., No. 1	Farmington	221	85	4.4	H.	202,458
Total tons							12,565,030

* Days of operation not given.

This list of collieries number 47 for the year, with an aggregate output of 12,565,030 tons; this record shows a decrease from that of last year of five mines and 1,616,762 tons.

The average number of days of 46 of these mines (one not reporting) was 209, which, applied to the output, gives an average daily output of 1,282 tons to each mine.

COLLIERIES WITH LARGE OUTPUT.

Notably in this connection is the achievement of several of these large colliery plants of the State during the past year; at the head of this list appears the Superior Coal Company with two mines, Nos. 1 and 2; these mines are located at Gillespie, Macoupin county; both are classed as machine mines, and were operated: No. 1, 223 days, and No. 2, 222 days. The seam of coal is eight feet thick, and lies, No. 1, 348 feet below the surface; No. 2, 324 feet; assuming these conditions to be equal with both mines working 222.5 days, it is shown that the combined output of both mines was for the past year 938,112 tons, being an average of 4,216 tons for each day, or 2,154 tons at No. 1 mine for each of the 223 days and 2,062 tons at No. 2 mine for each of the 222 days.

The Pittenger & Davis mines, Nos. 3 and 4, located at Centralia, Marion county, also report an output of over 400,000 tons, and, all conditions considered, reveals a record for a daily action perhaps equal to that of the mines already mentioned. The Pittenger & Davis mines are 635 feet below the surface, to a seam of coal six feet thick; the production for the year was 400,465 tons, the mines being in operation 221 days; this gives an output of 1,812 tons for each day the mines were in operation.

Another large colliery plant of the State, differing in conditions from either of the other plants, especially in the thickness of the seam and the manner of mining the coal; this is the No. 1 mine of the Spring Valley Coal Company, located at Spring Valley, Bureau county. This mine is 360 feet beneath the surface to a coal seam of 3 feet 6 inches in thickness and is a long-wall mine, the coal being mined exclusively by hand. The output for the past year was 271,909 tons, raised in 200 days, giving an average daily production of 1,360 tons of coal.

The following table presents the larger mines of the State, and are shown in three classes, giving the number of mines and the aggregate tonnage in each class for eleven years:

TABLE 15—*Mines Producing 50,000 Tons and Less than 100,000—100,000 Tons and Less than 200,000, and 200,000 Tons and more for 11 Years.*

YEAR.	MINES PRODUCING—					
	50,000 tons and less than 100,000.		100,000 tons and less than 200,000.		More than 200,000.	
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.
1896.....	63	5,049,694	45	6,557,545	16	3,962,426
1897.....	75	5,693,193	41	5,778,374	17	4,514,507
1898.....	86	6,351,512	42	5,898,596	7	1,709,457
1899.....	78	5,618,924	56	7,443,023	25	6,556,851
1900.....	70	5,000,326	65	8,995,963	27	6,769,328
1901.....	79	5,795,953	58	8,008,897	33	8,370,234
1902.....	76	5,376,350	72	9,923,528	38	10,101,867
1903.....	75	5,445,195	87	12,287,437	45	12,728,406
1904.....	72	5,200,551	98	13,753,975	46	13,400,272
1905.....	83	5,868,103	98	12,158,090	52	14,181,792
1906.....	89	6,116,018	97	13,462,256	47	12,565,030

Referring to the class of mines producing 50,000 tons and less than 100,000, it will be seen that the number has increased from 63 in 1896 to 89 this year, or 41.27 per cent, while the output has increased 1,066,324 tons or 21.12 per cent.

The mines of the next larger class, during the same period, have increased 115.56 per cent and the tonnage 105.29 per cent. The number of mines producing more than 200,000 tons has decreased from last year

by five, and 1,616,762 tons in output ; this is owing to the suspension of operation in April and May.

NUMBER OF MINES.

The following table presents for comparison the number of mines of all kinds, by districts, for the two years, 1905 and 1906, with the gain or loss. The number of mines shown in each district for 1905 are apportioned from the number in the counties for that year, now comprising the ten districts.

TABLE 16—*Gain and Loss in Number of Mines 1905-1906.*

DISTRICTS.	Total number of mines. 1905.	Number new mines opened 1906.	Total.	Number of mines abandoned 1906.	Total number of mines 1906.	YEAR 1906.	
						Gain.	Loss.
First.....	76	3	79	7	72	.....	4
Second.....	146	24	170	28	142	.....	4
Third.....	134	.....	134	5	129	.....	5
Fourth.....	142	62	204	29	175	33	.....
Fifth.....	73	6	79	13	66	.....	7
Sixth.....	82	6	88	5	83	1	.....
Seventh.....	89	6	95	24	71	.....	18
Eighth.....	113	15	128	7	121	8	.....
Ninth.....	62	5	67	5	62	.....	.....
Tenth.....	73	24	97	.....	97	24	.....
The State.....	990	151	1,141	123	1,018	66	38

Here is shown that 151 new mines were opened in the State during the past year ; the counties of the fourth district furnished 62 or over 41 per cent of these new openings ; however, 29 were abandoned, leaving a net gain of 33 for that district. The total number abandoned during the year was 123, leaving a net gain of 28 mines.

The record of the number of coal mines opened and closed for a series of 17 years is shown in the following table:

TABLE 17—Total Number of Mines, the Number Opened and Closed; also the Gain and Loss for Seventeen Years.

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened.	Closed.	Gain.	Loss.	At close of year.
1890.....	854	176	94	82		936
1891.....	936	92	110		18	918
1892.....	918	59	138		79	839
1893.....	839	69	120		51	788
1894.....	788	156	108	48		836
1895.....	836	116	78	38		874
1896.....	874	142	115	27		901
1897.....	901	70	118		48	853
1898.....	853	120	92	28		881
1899.....	881	129	121	8		889
1900.....	889	147	116	31		920
1901.....	920	138	143		5	915
1902.....	915	111	111			915
1903.....	915	109	91	18		933
1904.....	933	109	110		1	932
1905.....	932	168	110	58		990
1906.....	990	151	123	28		1,018
Totals.....		2,062	1,898	366	202	

From this it will be seen that the coal industry of the State has stood for the expense of opening 2,062 coal mines during the past 17 years, or an average of 121 for each year; during the same years 1,898 mines have been closed or abandoned, showing an average of 112 for each year. With all of this opening and closing of mines it is found that the net gain in these years has only been 164 mines, being less than 10 for each year. The largest number opened in any one year was in 1890, last year supplied 168, the next largest number; the largest number closed during any one year was 143 in 1901, though in 1892 the number closed was 138, giving a net loss of 79 mines for that year.

SHIPPING MINES.

The shipping mines of the State have, for a number of years, been classed in these reports, separately and distinctly in all respects from mines supplying the local trade only.

The following table presents the record of the number of these mine from 1891 to the present time:

TABLE 18—*Shipping Mines—Number Opened and Closed; also the Gain and Loss for Sixteen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	At close of year.
1891.....	308	.....	.....	.....	.....	308
1892.....	308	.....	9	.....	9	299
1893.....	299	2	.....	2	.....	301
1894.....	301	18	.....	18	.....	319
1895.....	319	.....	.....	.....	.....	319
1896.....	319	3	.....	3	.....	322
1897.....	322	.....	12	.....	12	310
1898.....	310	19	.....	19	.....	329
1899.....	329	.....	8	.....	8	321
1900.....	321	2	.....	2	.....	323
1901.....	323	8	.....	8	.....	331
1902.....	331	1	.....	1	.....	332
1903.....	332	21	.....	21	.....	353
1904.....	353	27	.....	27	.....	380
1905.....	380	17	.....	17	.....	397
1906.....	397	22	.....	22	.....	419
Totals.....	.....	140	29	140	29	.....

With 308 of these mines operated in 1891, the number has increased in the 16 years to 419, being a gain of 111 or 36.39 per cent. New mines in this class were opened or renewed during eleven of the years shown, the largest gain in any one year was for 1904; three of the years show a loss, the largest number closed being in 1897.

the apportionment of the shipping mines to each of the ten districts, the State is now divided, is shown in the following table for the past eleven years:

TABLE 19—*Number of Shipping Mines, by Districts, with Gain or Loss for Eleven Years.*

YEAR.	DISTRICTS.										Total.	Gain.	Loss.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.			
1893	31	19	37	31	23	39	25	65	41	19	330	.....	.....
1894	29	17	36	34	22	34	25	62	40	21	310	..	20
1895	32	18	37	28	25	33	27	62	42	26	329	19	.....
1896	30	17	35	30	21	34	26	60	43	26	323	..	7
1897	35	16	38	29	19	35	24	61	39	26	328	1	.....
1898	32	22	33	29	18	38	25	66	39	29	331	8	.....
1899	29	21	32	28	21	39	25	69	39	30	332	1	.....
1900	28	21	31	26	26	40	27	71	45	37	353	21	.....
1901	35	23	31	32	27	43	32	72	44	41	380	27	.....
1902	35	23	31	30	27	45	32	73	51	44	397	17	.....
1903	34	22	29	33	26	49	36	76	52	60	419	22	.....
1904	3	3	2	2	3	10	11	13	11	41	97	116	27
1905	..	..	8	..	..	..	..	..	..	..	8	.....	.....
1906	..	..	..	..	..	..	..	..	..	..	69	.....	.....

This distribution by districts has been derived from the number of mines reported for each year and embraced in the several counties which now comprise the ten different districts. The total gain for the eleven years considered was 97 mines; all of the districts show a gain, except the third, which shows a loss of eight, leaving 89 as a net gain. Nearly one-half of this gain in the number of mines appears in the tenth district, which shows a gradual increase from year to year, for the seven years, and for the last four years a gain of 50 per cent. The counties credited with this large increase of this class of mines are Clinton, Jackson, Saline and Williamson. The exhibit, considered by the committee, shows an increase in numbers, each year, excepting for 1897 and 1900, the largest increase in any one year was in 1904.

A comparative table is presented of the shipping mines only, showing the relative importance of each county and of each district as to mines, men and tons, for the years 1905 and 1906:

TABLE 20—*Shipping Mines—Number of Mines, Men and Tons by Counties and Districts, with the Gain or Loss, for the years 1905 and 1906.*

DISTRICTS AND COUNTIES.	1905.			1906.			GAIN (+) OR LOSS (—) IN 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
The State.....	397	55,743	35,956,543	419	58,851	37,122,811	+22	+3,108	+1,166,268
First.....	35	7,332	3,055,083	34	6,768	2,843,504	—1	—564	—211,579
Grundy.....	12	3,251	1,299,247	11	2,768	1,143,144	—1	—483	—156,103
Kankakee.....	1	23	700	1	68	28,419	.....	+45	+27,719
LaSalle.....	18	3,578	1,633,009	18	3,537	1,536,582	.....	—41	—96,427
Will.....	4	480	122,127	4	395	135,359	.....	—85	+13,232
Second.....	23	5,615	2,382,729	22	5,663	2,087,227	—1	+48	—295,502
Bureau.....	7	4,444	1,722,063	8	4,666	1,522,793	+1	+222	—199,270
Henry.....	3	171	83,618	3	175	92,412	.....	+4	+8,794
Knox.....	2	74	23,800	1	41	20,466	—1	—33	—3,334
Mercer.....	9	882	529,992	7	742	431,497	—2	—140	—98,495
Rock Island...	2	44	23,256	3	39	20,059	+1	—5	—3,197
Third.....	31	3,175	1,643,656	29	3,057	1,675,654	—2	—118	+31,998
Livingston....	4	384	197,199	4	390	239,065	.....	+6	+41,866
Marshall.....	3	1,061	503,776	3	1,016	427,475	.....	—45	—76,301
Peoria.....	19	1,136	768,278	17	971	723,695	—2	—165	—44,583
Putnam.....	1	216	42,964	1	279	135,004	.....	+63	—92,040
Stark.....	2	40	12,760	2	26	13,841	.....	—14	+1,081
Woodford.....	2	338	118,679	2	375	136,574	.....	+37	+17,895
Fourth.....	30	2,754	1,745,437	33	3,261	1,843,293	+3	+507	+97,856
Fulton.....	20	2,067	1,379,604	23	2,595	1,516,568	+3	+528	+136,964
Hancock.....	1	14	8,500	1	12	8,400	.....	—2	—100
McLean.....	3	330	175,010	3	346	152,500	.....	+16	—22,510
McDonough...	2	71	12,175	2	73	23,133	.....	+2	+10,955
Tazewell.....	4	272	170,148	4	235	142,692	.....	—37	—27,456
Fifth.....	27	4,222	2,601,500	26	3,683	2,128,332	—1	—539	—533,168
Macon.....	5	372	196,628	5	466	266,883	.....	+	+70,255
Vermilion.....	22	3,850	2,464,872	21	3,217	1,861,449	—1	—	—603,423

Table 20—Concluded.

DISTRICTS AND COUNTIES.	1905.			1906.			GAIN (+) OR LOSS (—) IN 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Sixth	46	7,227	5,166,804	49	7,646	5,097,776	+3	+419	—69,128
Logan	4	636	384,288	4	675	450,127	.....	+39	+65,839
Menard	9	776	435,793	9	757	520,394	.....	—19	+84,601
Sangamon	33	5,815	4,346,823	35	6,189	4,124,722	+2	+374	—222,101
Schuyler .....	.....	.....	.....	1	25	2,533	+1	+25	+2,533
Seventh	32	5,578	3,946,820	36	6,621	4,815,953	+4	+1,043	+869,133
Christian	7	1,323	857,890	8	1,497	826,500	+1	+174	—31,390
Macoupin	17	3,307	2,514,804	19	3,929	3,225,124	+2	+622	+710,320
Montgomery ..	6	747	468,198	7	934	648,188	+1	+187	+179,990
Shelby	2	201	106,928	2	261	116,141	.....	+60	+10,213
Eighth	78	7,828	6,401,267	78	8,334	7,189,785	.....	+506	+788,518
Bond	1	211	129,815	2	203	120,521	+1	—8	+706
Madison	19	3,678	2,935,749	18	3,822	2,968,185	—1	+144	+52,436
St. Clair	58	3,939	3,335,703	58	4,309	4,071,079	.....	+370	+735,376
Ninth	51	5,882	3,958,299	52	6,324	4,110,043	+1	+442	+151,744
Clinton	7	1,202	904,826	6	1,183	770,689	—1	—19	—134,137
Franklin	3	413	136,788	3	696	387,230	.....	+283	+250,442
Jefferson .....	.....	.....	.....	1	36	20,292	+1	+36	+20,292
Marion	7	1,371	1,066,350	6	1,389	826,280	—1	+18	—260,070
Perry	22	2,122	1,253,208	22	2,026	1,433,170	.....	—96	+179,962
Randolph	10	648	498,812	11	835	572,001	+1	+187	+73,189
Washington ...	2	126	78,315	2	148	93,796	.....	+22	+15,481
White .....	.....	.....	.....	1	11	6,585	+1	+11	+6,585
Tenth	44	6,120	4,994,848	60	7,494	5,331,244	+16	+1,364	+336,396
Gallatin	2	141	73,529	2	120	90,264	.....	—21	+16,735
Jackson	9	1,283	793,890	11	1,385	741,796	+2	+102	—52,094
Saline	5	396	319,295	15	964	596,080	+10	+568	+276,785
Williamson	28	4,310	3,808,134	32	5,005	3,903,104	+4	+695	+94,970

This is a distribution of the shipping mines of the several counties and districts, with the gain or loss of each in subject-matter presented; the gain or loss by districts is attributed to the redistricting of the State, heretofore referred to. The formation and division for the year 1905 is based on the record of the counties for that year as now comprising the ten districts, and will form a basis for similar comparison in future reports.

The coal companies or operators of the commercial collieries of the State have been presented for the past several years and are here presented for this year:

TABLE 21—*Shipping or Commercial Collieries—Distribution of Output—1906.*

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
1	Consolidated Coal Co..	16	.....	1, 796, 500	1, 620, 123	43, 822	47, 072	85, 483
	..do.....	3	Mt. Olive.....	600, 513	568, 913	.....	4, 191	27, 409
	..do.....	3	Staunton.....	469, 865	407, 648	29, 015	9, 202	24, 000
	..do.....	4	Collinsville ...	432, 249	334, 346	13, 462	9, 020	15, 421
	..do.....	1	Breese.....	111, 040	103, 711	.....	1, 600	5, 729
	..do.....	1	Carlinsville	54, 839	35, 494	1, 345	14, 150	3, 850
	..do.....	1	Fairmount.....	46, 920	42, 967	.....	2, 100	1, 853
	..do.....	1	Troy.....	32, 161	28, 551	.....	1, 600	2, 010
	..do.....	1	Gillespie.....	32, 101	24, 500	.....	4, 100	3, 501
	..do.....	1	Hornsby.....	16, 812	13, 993	.....	1, 109	1, 710
2	Madison Coal Co.....	7	.....	1, 243, 992	1, 129, 409	27, 040	7, 801	79, 742
	..do.....	2	Glen Carbon..	408, 119	351, 566	2, 398	3, 707	50, 448
	..do.....	1	Dewmain.....	281, 278	268, 519	1, 759	.....	11, 000
	..do.....	1	Divernon.....	241, 150	230, 746	.....	3, 242	7, 162
	..do.....	1	Mt. Olive.....	184, 407	155, 164	20, 749	664	7, 830
	..do.....	1	Ogles.....	74, 485	69, 901	2, 134	188	2, 262
	..do.....	1	Cambria.....	54, 553	53, 513	.....	.....	1, 040
3	Spring Valley Coal Co.	5	Spring Valley.	1, 107, 418	1, 024, 837	13, 405	21, 576	47, 600
4	Springfield Coal M. Co.	6	.....	1, 062, 107	921, 916	31, 628	51, 097	57, 466
	..do.....	3	Springfield....	488, 151	428, 811	.....	29, 044	30, 296
	..do.....	2	Riverton.....	380, 030	355, 674	728	4, 757	18, 871
	..do.....	1	Taylorville....	193, 926	137, 431	30, 900	17, 296	8, 299
5	Illinois Collieries Co..	8	.....	1, 047, 080	950, 095	24, 127	34, 749	38, 109
	..do.....	2	Virden.....	278, 379	238, 419	16, 675	11, 850	11, 435
	..do.....	1	Girard.....	213, 590	204, 655	.....	6, 191	2, 744
	..do.....	1	Springfield....	177, 474	168, 459	.....	1, 456	7, 559
	..do.....	1	Auburn.....	162, 939	157, 077	.....	1, 307	4, 555
	..do.....	1	Sorento.....	129, 227	119, 518	.....	3, 220	6, 489
	..do.....	1	Litchfield.....	73, 626	53, 438	7, 452	9, 198	3, 538
	..do.....	1	Chatham.....	11, 845	8, 529	.....	1, 527	1, 789

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to loco-motives at mine chutes.	Sold to local trade.	Con-sumed and wasted at the mine.
6	Superior Coal Co	3	Gillespie	1,004,646	959,862	.....	2,763	42,021
7	Donk Bros. C. & C. Co.	3	.....	876,938	846,656	2,060	6,540	21,682
	..do	1	Donkville.....	343,184	332,859	2,060	761	7,504
	..do	1	Maryville	284,225	273,435	.....	1,683	9,107
	..do	1	Troy.....	249,529	240,362	.....	4,096	5,071
8	Big Muddy C. & I. Co.	5	.....	821,298	758,593	142	3,615	58,948
	..do	1	Herrin	363,573	347,784	142	2,656	12,991
	..do	3	Murphysboro ..	277,266	247,548	.....	.....	29,718
	..do	1	Clifford.....	180,459	163,261	.....	959	16,239
9	Chi. Wil. & Ver. C. Co	5	.....	815,302	774,063	.....	12,783	28,426
	..do	2	So. Wilm'gton	382,000	364,440	.....	7,629	9,931
	..do	1	Thayer.....	244,000	234,724	.....	1,870	7,415
	..do	2	Streator	180,293	174,929	.....	3,284	11,080
10	Dering Coal Co.....	5	.....	797,673	782,163	.....	2,530	12,980
	..do	4	Westville	645,254	635,674	.....	.....	9,580
	..do	1	W. Frankfort.	102,419	96,489	.....	2,530	3,400
11	Kelly Coal Co.....	5	Danville	761,472	727,344	.....	13,445	20,683
12	Southern C. & M. Co...	10	.....	734,740	671,556	19,211	11,017	32,956
	..do	8	Bellville.....	573,268	524,937	19,211	6,374	22,746
	..do	1	New Baden...	125,436	115,310	.....	1,966	8,160
	..do	1	Germantown..	36,036	31,309	.....	2,677	2,060
13	Mt. Olive	2	Staunton.....	673,687	655,591	5,306	2,747	10,043
14	St. L. & O'Fallon C. Co	2	E. St. Louis...	606,978	597,678	3,050	500	5,750
15	LaSalle Co. Car. C. Co.	4	LaSalle.	581,754	456,394	57,898	47,599	19,863
16	O'Gara Coal Co.....	11	.....	535,182	494,650	18,487	9,354	12,691
	..do	10	Harrisburg....	442,496	407,125	18,487	7,843	9,041
	..do	1	Springfield....	92,686	87,525	.....	1,511	3,650
17	Peabody Coal Co.....	2	Marion.....	404,887	284,694	.....	113,463	6,731
18	Pittenger & Davis....	1	Centralia.....	400,465	261,819	93,907	20,826	23,913
19	Willis Coal M. Co.....	2	.....	377,052	308,045	57,719	6,028	5,260
	..do	1	Willisville	272,755	207,136	57,719	4,200	3,700
	..do	1	Percey	104,297	100,909	.....	1,828	1,560
20	Ill. Midland C. Co.....	2	.....	375,832	359,472	1,866	6,948	7,546
	..do	1	Pawnee	210,904	198,759	1,866	6,821	3,458
	..do	1	Sherman	164,928	160,713	.....	127	4,068

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	DISTRIBUTION OF OUTPUT.				
				Total output, all grades.	Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes	Sold to local trade.	Consumed and wasted at the mine.
21	Breese-Trenton M. Co.	3	.....	370,861	309,570	40,130	5,911	15,250
	..do.....	2	Breese.....	305,021	251,555	40,130	4,586	8,750
	..do.....	1	Trenton.....	65,840	58,015	.....	1,325	6,500
22	Maplewood C. Co.....	2	.....	361,020	352,888	745	1,991	5,396
23	Chi. & C't'ville C. Co.	1	Herrin.....	312,482	285,931	584	5,310	20,657
24	Jos. Taylor Coal Co....	3	O'Fallon.....	312,243	289,288	800	2,850	19,305
25	Big Four Wilm. C. Co.	3	Carbon Hill....	311,831	292,571	.....	5,500	13,760
26	Lumaghi C. Co.....	2	Collinsville....	308,150	299,466	.....	1,695	6,989
27	Citizens Coal M. Co....	3	.....	293,642	222,364	45,162	14,891	11,225
	..do.....	2	Springfield....	180,785	153,545	19,895	3,437	3,908
	..do.....	1	Lincoln.....	112,857	68,819	25,267	11,454	7,317
28	Devlin Coal Co.....	1	Toluca.....	290,832	243,737	29,040	5,560	12,495
29	Sunnyside C. Co.....	1	Herrin.....	289,874	267,170	.....	1,832	20,872
30	Carterville C. Co.....	3	Carterville....	263,113	247,164	5,200	.....	10,749
31	Mo. & Ill. Coal Co.....	4	.....	260,777	254,686	.....	850	5,241
	..do.....	1	Willisville....	141,596	140,174	.....	600	822
	..do.....	1	Rentchler.....	56,123	54,072	.....	125	1,926
	..do.....	1	Wilderman....	33,274	31,529	.....	75	1,670
	..do.....	1	Freeburg.....	29,784	28,911	.....	50	823
32	Latham Coal Co.....	1	Lincoln.....	247,885	236,478	.....	9,159	2,248
33	Big Creek Coal Co.....	3	.....	244,325	238,880	1,176	.....	4,269
	..do.....	2	St. David.....	240,083	235,065	1,176	.....	3,842
	..do.....	1	Cuba.....	4,242	3,815	.....	.....	427
34	Ill. 3rd Vein Coal Co...	1	Ladd.....	239,830	210,526	9,996	4,112	15,196
35	Zeigler Coal Co.....	1	Zeigler.....	238,654	221,893	614	1,985	14,162
36	Burnwell Coal Co.....	1	Witt.....	235,952	228,855	.....	4,395	2,702
37	Royal Colliery Co.....	1	Virden.....	231,177	226,590	.....	1,808	2,779
38	Braceville Coal Co.....	2	Braceville....	229,206	215,480	.....	2,800	10,926
39	Western Coal Min. Co.	1	Bush.....	228,461	214,567	.....	8,000	5,894
40	Clark Coal Co.....	2	Peoria.....	216,858	195,863	16,515	.....	4,480
41	Majestic C. & C. Co....	1	Duquoin.....	211,746	207,646	.....	100	4,000
42	Cardiff Coal Co.....	1	Cardiff.....	207,874	199,374	.....	3,716	4,784
43	Pana Coal Co.....	2	Pana.....	206,881	170,693	15,102	7,510	13,576
44	Monmouth Coal Co....	1	Brereton.....	198,147	190,820	.....	1,250	6,077

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
45	Whitebreast Fuel Co..	2	Dunfermline..	195,526	189,301	.....	259	5,966
46	Trenton Coal Co.....	1	Trenton.....	193,156	175,236	.....	7,510	10,410
47	Centralia M. & M. Co..	1	Centralia.....	192,639	101,412	47,252	30,127	13,848
48	Stand. Wash. Coal Co.	2	.....	187,448	181,422	.....	2,826	3,200
	...do.....	1	Bissell.....	107,369	104,968	.....	801	1,600
	...do.....	1	Spaulding.....	80,079	76,454	.....	2,025	1,600
49	New Staunton Coal Co.	1	Livingston....	185,490	174,436	46	4,169	6,839
50	Newsam Bros.....	4	.....	179,209	171,425	.....	3,198	4,586
	...do.....	3	Peoria.....	129,121	125,438	.....	597	3,086
	...do.....	1	Farmington...	50,088	45,987	.....	2,601	1,500
51	Wabash Coal Co.....	2	.....	178,783	168,397	.....	3,864	6,522
	...do.....	1	Athens.....	92,341	87,148	.....	1,593	3,600
	...do.....	1	Dawson.....	86,442	81,249	.....	2,271	2,922
52	Muddy Val. C. M. Co..	1	Hallidayboro..	177,911	111,726	40,738	2,651	22,796
53	Hillsboro Coal Co.....	1	Hillsboro.....	172,512	162,093	.....	7,076	3,343
54	Wilming'n Star M. Co.	3	Coal City.....	170,690	162,196	.....	2,451	6,043
55	Carterville Dist. C. Co.	1	Marion.....	168,978	159,853	.....	.....	9,125
56	Capital Coal Co.....	1	Springfield....	166,206	83,956	15,930	47,592	18,728
57	Christian County C. Co	1	Taylorville. ..	160,790	147,287	.....	7,077	6,426
58	Royal Coal Min. Co....	1	Belleville.....	158,572	158,572	.....	.....	.....
59	Chi. & B. M. Coal Co..	1	Marion.....	157,692	153,236	.....	159	4,297
60	Paradise C. & Coke Co.	1	Duquoin.....	155,092	147,992	5,600	300	1,200
61	Woodside Coal Co.....	1	Springfield....	151,544	102,263	33,847	11,560	3,874
62	Decatur Coal Co.....	3	Decatur.....	150,258	81,740	.....	68,518	.....
63	Superior Coal & M. Co.	1	Belleville.....	148,909	146,954	.....	.....	1,955
64	Star Coal Co.....	3	.....	144,964	140,891	.....	1,147	2,926
	...do.....	2	Kangley.....	123,892	120,470	.....	1,147	2,275
	...do.....	1	Cuba.....	21,072	20,421	.....	.....	651
65	Acme Coal Co.....	1	Streator.....	143,342	109,609	.....	10,485	23,248
66	Oglesby Coal Co.....	1	Oglesby.....	143,243	131,615	.....	4,052	7,576
67	Suburban C. & M. Co..	1	Belleville.....	141,241	139,261	.....	420	1,560
68	Gallatin C. & C. Co....	2	.....	140,090	71,909	34,231	26,686	7,264
	...do.....	1	Equality.....	81,294	60,956	3,973	12,643	3,722
	...do.....	1	Nashville.....	58,796	10,953	30,258	14,043	3,542
69	Chi. Herrin C. Co.....	1	Herrin.....	139,635	136,308	.....	2,554	773

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chute.	Sold to local trade.	Consumed and wasted at the mine.
70	Coal Valley M. Co.....	1	Sherrard.....	138,768	130,234	16	2,573	5,945
71	DeCamp Coal Co.....	1	Staunton.....	138,697	134,557	.....	.....	4,140
72	Empire Coal Co.....	1	Gilchrist.....	138,290	130,640	.....	2,744	4,906
73	St. Paul Coal Co.....	1	Granville.....	135,004	124,918	175	3,753	6,158
74	White Walnut C. Co..	1	Pinckneyville.	133,195	85,334	43,775	1,386	2,700
75	Tuxhorn Coal Co.....	1	Keyes.....	132,556	129,302	.....	1,585	1,669
76	Marquette 3rd. V. C.Co	2	.....	131,120	104,142	.....	19,880	7,098
	..do.....	1	Marquette.....	100,212	93,079	.....	843	6,290
	..do.....	1	Sparland.....	30,908	11,063	.....	19,037	808
77	Chi. & Spgf'd. C. Co..	1	Springfield....	130,668	124,909	.....	549	5,210
78	Kolb Coal Co.....	3	.....	130,527	93,177	18,000	4,000	15,350
	..do.....	1	Mascoutah....	88,000	52,400	18,000	4,000	13,600
	..do.....	1	New Athens...	33,309	32,309	.....	.....	1,000
	..do.....	1	Lenzburg.....	9,218	8,468	.....	.....	750
79	J. C. & B. M. C. & M.Co.	1	Johnson City..	128,022	124,422	.....	.....	3,600
80	Morris Coal M. Co.....	1	Norris.....	125,000	110,000	12,400	1,000	1,600
81	Odin Coal Co.....	1	Odin.....	121,658	113,176	.....	2,784	5,698
82	Prairie Coal Co.....	1	Belleville.....	120,000	114,000	2,000	2,000	2,000
83	Penwell Coal Co.....	1	Pana.....	119,728	93,735	8,740	10,679	6,574
84	Green Ridge Coal Co..	1	Green Ridge...	119,559	114,852	.....	2,343	2,364
85	Borders Coal Co.....	2	Marissa.....	116,913	111,384	25	1,948	3,556
86	Math. & Heg. Zinc Co.	1	LaSalle.....	116,750	*	.....	.....	116,750
87	Moffat Coal Co.....	1	Sparta.....	116,687	115,685	.....	552	450
88	West End Coal Co.....	1	Springfield....	116,677	68,885	11,242	31,270	5,280
89	Auburn & Alton C. Co.	1	Auburn.....	116,640	108,778	.....	4,942	2,920
90	Williamson Co. C. Co..	1	Johnson City..	115,053	112,005	.....	.....	3,048
91	McLean Co. Coal Co...	1	Bloomington..	115,000	16,000	23,500	52,500	23,000
92	Sangamon Coal Co....	1	Springfield....	114,767	108,910	.....	3,017	2,840
93	Johnson Coal Co.....	3	.....	111,306	104,036	.....	1,685	5,585
	..do.....	1	Marissa.....	60,575	59,022	.....	.....	1,553
	..do.....	1	Freeburg.....	33,701	31,194	.....	1,685	822
	..do.....	1	Belleville.....	17,030	13,820	.....	.....	3,210
94	Chi. & Marion C. Co...	1	Marion.....	110,649	108,459	.....	.....	2,190
95	Internatio'l C. & M. Co.	1	O'Fallon.....	108,883	108,403	.....	120	360

*No report of tons shipped.

Table 21—Continued.

No. of operators	NAME OF OPERATOR.	Number of mine.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
96	Greenview C. M. Co..	1	Greenview . . .	107, 181	98, 141	.. . .	5, 461	8, 529
97	Wenona C. Co.....	1	Wenona.....	105, 735	92, 204	.. . .	3, 531	5, 000
98	Sandoval C. Co.....	2	Sandoval	105, 032	100, 582	... ..	1, 030	3, 420
99	Duquoin Operating Co.	1	Duquoin.....	104, 439	99, 539	.. ....	2, 250	2, 600
100	Cartersville M. Co.	2	Cartersville	102, 753	100, 013	... ..	.....	2, 740
101	Athens Mining Co.....	1	Athens... ..	102, 091	96, 448	.....	3, 061	2, 583
102	Edwardsville Coal Co.	1	Edwardsville .	101, 953	87, 067	44	7, 008	7, 834
103	Avery Coal Co..	4	.....	101, 641	90, 600	200	2, 405	7, 436
do.	do.	1	Freeburg.	44, 508	41, 083	.....	879	2, 546
do.	do.	2	Marissa	43, 471	37, 385	200	2, 364	3, 522
do.	do.	1	Winkle.....	13, 662	12, 132	.. .	162	1, 368
104	Williamsville Coal Co.	1	Selbytown	100, 733	94, 370	.. .....	2, 827	2, 536
105	Cantrall Coö. C. Co .	1	Cantrall.....	99, 398	78, 482	18, 280	1, 081	1, 595
106	Clover Leaf Coal Co..	1	Coffeen.....	96, 291	91, 171	597	2, 723	1, 900
107	Alden Coal Co.	1	Gilchrist	93, 506	86, 296	1, 486	74	3, 680
108	Barclay Coal & M. Co .	1	Barclay	91, 242	84, 241	.....	1, 211	5, 790
109	Roanoke Coal & M. Co.	1	Roanoke	90, 092	75, 954	3, 875	2, 960	5, 808
110	New Virginia Coal Co.	1	Johnson City.	90, 000	87, 000	.....	500	2, 500
111	Walachlag Coö. C. C.	1	Peoria	86, 206	87, 331	.....	.....	877
112	Inland Coal & M. Co .	1	DeSoto.....	88, 093	65, 808	.....	962	21, 323
113	Moweaqua C. M. Co ...	1	Moweaqua	88, 048	59, 806	13, 317	11, 871	4, 549
114	Wilm. C. M. & M'fg. Co	2	Diamond	87, 067	80, 427	.....	.....	4, 429
115	Assumption Coal Co ..	1	Assumption...	85, 621	64, 665	.....	10, 093	10, 863
116	Black Diam'd Coal Co.	1	Auburn	83, 964	81, 258	.....	1, 483	1, 123
117	Gartside Coal Co. . . .	2	Murphysboro .	83, 594	64, 470	.....	3, 124	18, 000
118	Electric Coal Co.. . .	1	Danville	81, 292	79, 755	.....	157	1, 389
119	Fullerton Coal Co.	1	Belleville	81, 000	78, 000	.. . . .	1, 000	2, 000
120	Carterv. & B. M. C. Co	1	Cambria	78, 813	76, 598	.....	323	1, 997
121	Hibbard Coal Co. . . .	2	Belleville	78, 336	60, 966	12, 480	700	4, 200
122	Kewanee Coal M. Co...	1	Kewanee.....	77, 535	68, 680	.....	5, 855	3, 000
123	Hofer Washed Coal Co	2	Cartersville . .	76, 904	72, 914	.....	90	3, 900
124	St. Paul Coal Co.	1	Cherry	75, 333	72, 075	.....	1, 162	2, 096
125	Springfield Coö. C. Co.	1	Springfield	75, 800	51, 000	.....	20, 100	4, 700
126	Lincoln Mining Co	1	Lincoln	75, 100	53, 818	.....	16, 000	5, 262
127	M'fg. & Cons. Coal Co.	1	Decatur	74, 306	18, 493	2, 421	47, 794	5, 600

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mine	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine
128	Illinois Zinc Co	1	Peru	73, 220	71, 391		636	1, 193
129	Donaly & Konneck C.C.	1	Cartersville	71, 100	69, 899		325	1, 638
130	Cartersv.-Herrin C. C.	1	Herrin	70, 504	68, 114		390	2, 000
131	Applegate & Lewis	1	Cuba	70, 376	55, 816	11, 607	149	2, 708
132	Middletown Coal Co.	1	Middletown	68, 210	62, 816		3, 294	2, 100
133	Crystal Coal Co.	1	Tilden	67, 250	66, 000		250	1, 000
134	Robert Dick Coal Co.	1	Cambria	66, 430	64, 930		500	1, 000
135	Summit Coal & M. Co	1	Belleville	65, 530	64, 490		100	1, 000
136	Sholl Bros	1	Peoria	65, 524	64, 396		56	1, 072
137	Bellev. & O'Fallon C.C.	1	Belleville	65, 250	63, 990			1, 260
138	Illinois Fuel Co	2	Sparta	64, 973	63, 623			2, 250
139	Valley Coal Co.	1	Muscouah	62, 890	59, 999			3, 000
140	Tazewell Coal Co.	1	Pekin	61, 748	57, 442		3, 822	434
141	Watson Coal Co.	1	Herrin	59, 700	58, 000	1, 000		700
142	James Cahill Estate	1	Peru	56, 099	14, 379	22, 944	17, 036	1, 750
143	Marissa Coal Co	1	Marissa	54, 968	53, 868		900	1, 200
144	Gas Blair B. M. C. Co.	1	Murphysboro	54, 812	50, 312		1, 000	2, 500
145	Howarth & Taylor.	1	Edwards	54, 546	49, 502		416	4, 628
146	Collier Coal Co.	1	Bartonville	53, 798	53, 000			798
147	Mrs. E. Hakes	1	Rutland	53, 753	29, 633	15, 318	3, 802	5, 000
148	Chicago Col. Co.	1	Cattlin	53, 637	49, 506		1, 053	3, 079
149	Coal Valley M. Co	1	Cuba	52, 016	48, 229	568		3, 220
150	Eagle Mining Co.	1	Canton	51, 699	51, 039		240	430
151	Davenport Coal Co	1	Harrisburg	51, 631	50, 369		152	1, 110
152	Hippard Coal Co	1	Duquoin	51, 040	49, 355		245	1, 440
153	Jones Bros	1	Marissa	50, 798	47, 117		1, 788	1, 898
154	Murphy-Keenan Co.	1	Braidwood	50, 550	44, 169		4, 881	1, 500
155	Chi. & Carbondale C. Co	1	DeSoto	50, 000	44, 000		1, 000	5, 000
156	Henrietta Coal Co.	1	Edwardsville	49, 536	39, 897		6, 580	3, 306
157	Duquoin Coal Co.	1	Duquoin	49, 182	47, 812		150	1, 300
158	Kortkamp Coal Co.	1	Hillsboro	48, 230	48, 230			
159	Eldorado Coal Co.	1	Eldorado	47, 414	45, 098		2, 316	
160	East Cuba C. M. Co.	1	Cuba	46, 700	44, 700			
161	Minonk Coal Co.	1	Minonk	46, 482	36, 218		8, 264	2, 000
162	Economy Coal Co.	1	Danville	46, 472	13, 693	31, 262	728	789

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output—all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
163	Benton Coal Co.....	1	Berton.....	46, 157	37, 889		5, 065	3, 203
164	Tilden Coal Co	1	Tilden.....	45, 265	43, 320		695	1, 250
165	Phoenix Coal Co.....	1	Peoria	44, 652	44, 652			
166	Glendale C. & M. Co...	1	Belleville	44, 500	37, 443		3, 847	3, 210
167	Greenwood-Davis C. Co	1	Duquoin	44, 000	39, 880		1, 200	2, 920
168	E. S. Gray Coal Co....	1	Danville	44, 000	43, 200			800
169	Pittsburg M. Co.....	1	Belleville	43, 675	31, 408		7, 033	5, 234
170	Tirre Coal Co.....	1	Lenzburg	43, 439	43, 439			
171	Blue Mound Coal Co...	1	Blue Mound...	42, 317	32, 212		6, 840	3, 265
172	Kems-Donnewald C.Co	1	Worden	41, 852	37, 840		2, 750	1, 262
173	Bailey Bros.....	1	Sunfield.....	41, 547	39, 741		1, 000	806
174	Boyd Coal Co.....	1	Sparta	40, 800	36, 700		3, 500	600
175	St. L. & Carterville C. Co	1	Herrin	40, 468	39, 769	239	52	408
176	Coulterville C. Co	1	Coulterville...	39, 760	39, 142			618
177	Smith-Lohr Coal Co...	1	Pana	38, 078	32, 498		2, 422	3, 158
178	Lake Superior C. Co...	1	Belleville	37, 817	31, 677		5, 390	750
179	Little Muddy Coal Co.	1	Tamaroa	37, 802	34, 994		1, 872	936
180	Tallula Coal Co.....	1	Tallula	37, 036	20, 806		15, 500	730
181	Petersburg Coal Co ...	1	Petersburg ...	36, 896	32, 886		2, 610	1, 400
182	Enterprise Coal Co....	1	Rentchler	36, 827	36, 330		100	397
183	Highland Coal Co	1	Belleville	36, 610	20, 579	1, 063	7, 832	7, 136
184	Galatia Coal Co	1	Galatia	36, 159	31, 359		4, 000	800
185	Vicary Bros	1	Peoria	35, 840	33, 640		2, 000	200
186	Coulterville M. Co....	1	Coulterville...	35, 405	32, 030		2, 505	870
187	Johnson City & C. C. Cp	1	Johnson City..	35, 146	32, 391		200	2, 555
188	Adam Kuhn	1	Dubois	35, 000	32, 000		1, 500	1, 500
189	Oakwood Coal Co.....	1	Oakwood.....	34, 657	27, 500		6, 539	618
190	Cora Coal Co	1	Andrews	33, 262	30, 656		606	2, 000
191	Jones & Adams Coal Co	1	Springfield....	33, 225	30, 021		611	2, 593
192	Howe Coal Co	1	Streator	33, 155	19, 480		13, 370	305
193	Silver Creek Coal Co..	1	O'Fallon	32, 310	29, 310	512	1, 488	1, 000
194	Joliet-Wilmingt'n C. Co	1	Braidwood	32, 232	30, 172		1, 400	660
195	Eden Coal Co.....	1	Sparta	31, 243	30, 583		260	400
196	Astoria-Woodl'd C. Co	1	Astoria	30, 913	29, 181		346	1, 386
197	South Mountain C. Co.	1	Petersburg ...	30, 846	21, 460	2, 822	5, 469	1, 095

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output—all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
198	Canton Coal Co.....	1	Canton	29,918	29,918	.....	.....	.....
199	Springfield Coal Co ...	1	Springfield....	29,891	27,731	.....	.....	2,160
200	Interstate Coal Co	1	Worden	29,710	27,485	.....	.....	2,225
201	Mauck Bros	1	Danville	29,000	15,000	.....	13,500	500
202	People's Coal M. Co...	1	Tice	28,553	27,675	.....	254	624
203	Herman Phul... ..	1	Richland	28,502	27,684	.....	218	600
204	White & Nesbit	1	Belleville.....	28,500	20,700	.....	7,200	600
205	Wm. Barnard	1	Cutler	28,428	21,478	4,727	1,123	1,100
206	Consolidated C. & I. Co	1	Clark City	28,419	25,343	.....	1,076	2,000
207	Century Coal Co.....	1	Tower Hill....	28,083	22,747	.....	2,990	2,356
208	Duquoin Coal Co	1	Duquoin	27,179	25,979	.....	.....	1,200
209	Jones Bros. Coal. M. Co	1	Marissa	26,421	26,091	.....	.....	330
210	Colfax Coöp. Co	1	Colfax	26,287	11,343	6,980	4,939	3,075
211	Humboldt C. Co	1	Belleville	25,900	25,400	.....	.....	500
212	Salt-fork Coal Co	1	Oakwood.....	25,500	25,000	.....	.....	500
213	Fred Murphy.....	1	Belleville	25,000	24,500	.....	.....	500
214	Diamond Fuel Co.....	1	Sunfield.....	24,730	23,080	.....	750	900
215	Bunting Bros.....	1	Grape Creek..	24,590	23,376	.....	734	480
216	Farmington Coal Co ..	1	Farmington ..	23,584	21,052	.....	1,510	1,022
217	Imperial C. M. Co	1	Duquoin	22,770	22,696	.....	74	.....
218	Erie Star C. Co.....	1	Peoria	22,192	10,133	.....	11,559	500
219	International C. M. Co.	1	O'Fallon	22,104	18,829	.....	2,275	1,000
220	Stonington C. Co.....	1	Stonington ...	21,476	15,611	.....	2,733	3,132
221	Canton Union C. Co...	1	Canton	21,105	15,000	.....	5,500	605
222	Etherly Coal Co	1	Etherley	20,466	19,566	600	300	.....
223	Jefferson Co. Coal Co..	1	Mt. Vernon ...	20,292	2,086	9,969	7,046	1,191
224	F. M. Meek C. Co.....	1	Marissa	20,272	19,969	.....	68	235
225	Dutch Hill Coal Co....	1	New Athens...	20,100	13,000	.....	6,000	1,100
226	W. E. Foley	1	Mapleton.....	19,764	19,764	.....	.....	.....
227	Prairie State Coal Co.	1	Nilwood.....	19,236	18,000	.....	1,236	.....
228	Spoon River Coal Co..	1	Ellisville.....	18,357	16,555	1,176	100	526
229	Brilliant C. & C. Co....	1	Duquoin.....	18,280	17,520	.....	60	700
230	Shoal Creek Coal Co...	1	Panama.....	18,077	15,833	.....	264	1,980
231	Isaac Wantling & Son.	1	Peoria.....	18,000	17,500	.....	.....	500
232	Manchester Coal Co...	1	Petersburg....	17,290	15,690	.....	500	1,100

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chute.	Sold to local trade.	Consumed and wasted at the mine.
233	Jupiter Coal Co.....	2	Duquoin.....	16,962	13,037	.....	1,579	2,346
234	Perry County Coal Co.	1	..do.....	16,920	16,200	.....	220	500
235	Spring Creek Coal Co.	1	Springfield....	16,749	16,233	.....	209	307
236	West End Coal Co.....	1	Fairbury.....	15,335	6,952	7,393	405	585
237	Rixon Coal Co.....	1	Braceville.....	14,927	12,950	.....	936	1,041
238	Home Coal Co.....	1	Mt. Pulaski...	14,285	4,263	.....	8,702	1,320
239	Rippetoe & Rindle....	1	Colchester	14,114	14,114	.....	.....	.....
240	Grant Bros.....	1	Pekin	14,100	1,960	.....	9,320	2,820
241	Volunteer Coal Co.....	1	Coal City.....	14,043	13,793	.....	.....	250
242	Phoenix C. & M. Co....	1	Cornell.....	13,736	12,000	.....	1,236	500
243	Third Vein Coal Co....	1	Mapleton.....	12,945	11,850	.....	795	300
244	Monarch C. & M. Co...	1	Farmington...	12,298	9,724	.....	1,363	1,211
245	New Moon Mining Co.	1	Duquoin.....	11,485	7,841	.....	2,644	1,000
246	German Coal Co.....	1	Mapleton.....	11,481	8,924	1,980	227	350
247	Harrisburg B. M. Coal Co. of Ill.....	1	Harrisburg....	11,245	11,245	.....	.....	.....
248	Easterly Coal & M. Co.	1	Chenoa.....	11,213	6,888	.....	3,500	825
249	Atlas Coal Co.....	1	Galva.....	11,080	9,643	.....	1,187	300
250	Muntz Bros.....	1	Streator.....	10,919	3,420	.....	7,423	76
251	Strait Coal Co.....	1	Pinckneyville.	10,330	8,812	.....	1,118	400
252	Vermilion Coal Co.....	1	Georgetown...	9,815	9,000	.....	.....	815
253	J. A. Riley.....	1	Breeds	9,152	8,922	180	50	.....
254	A. Burney Coal Co.....	1	Colchester	9,019	8,740	.....	.....	279
255	Brown Coal Co.....	1	Equality	8,970	8,350	.....	300	320
256	Meredith Bros.....	1	Augusta.....	8,400	8,000	.....	400	.....
257	Watson Coal Co.....	1	Herrin	8,000	7,700	.....	.....	300
258	John O'Connell.....	1	Danville.....	7,182	6,892	.....	.....	290
259	National Mining Co...	1	Eldorado.....	7,135	5,625	.....	800	710
260	Wyoming Coal Co.....	1	Wyoming.....	7,070	4,470	.....	2,400	200
261	North Wilm. Coal Co.	1	Seneca	6,986	3,847	.....	2,746	393
262	Higbee & Watson.....	1	Wyoming.....	6,771	4,471	.....	2,100	200
263	Norris City Coal Co...	1	Norris.....	6,585	720	.....	5,385	480
264	Kinmundy Coal Co....	1	Kinmundy	6,486	5,568	.....	648	270
265	Edwards Mining Co...	1	Peoria.....	6,240	6,160	.....	80	.....
266	Rentz Bros.....	1	Kramm	6,120	6,120	.....	.....	.....
267	Peacock Coal Mine....	1	DeSota.....	6,000	3,500	.....	2,000	500

Table 21—Concluded.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
268	Peter Grant.....	1	Peoria	5,260	5,260	.....	.....	.....
269	Docherty Bros.....	1	Preëmption...	4,900	1,100	.....	3,600	200
270	Galesburg U'n. Sup.Co	1	Parrville.....	4,388	4,388	.....	.....	.....
271	Beltz Coal Co.....	1	Carterville....	4,316	807	105	3,404	.....
272	Wm. Francis.....	1	Streator	4,176	1,760	.....	2,416	.....
273	Schmidgall Coal Co...	1	Murphysboro .	4,120	420	.....	3,000	700
274	Briar Bluff Coal Co....	1	Briar Bluff....	3,797	3,797	.....	.....	.....
275	T. S. Silvis.....	1	Carbon Cliff...	3,516	1,156	.....	2,160	200
276	Miller Coal Co.....	1	Raymond.....	3,500	1,500	.....	1,400	600
277	Essex & Fritz	1	Parrville.....	3,000	3,000	.....	.....	.....
278	Mechanicsburg CoalCo	1	Mechanicsb'rg	2,719	1,319	.....	500	900
279	Littleton Coal Co.....	1	Littleton.....	2,533	2,063	.....	.....	450
280	Arthur Jones.....	1	Virden	2,520	440	.....	2,040	40
281	Alex. E. Link.....	1	Sunny Hill....	2,500	900	.....	1,500	100
282	Marshall & Harr.....	1	Streator	2,120	2,120	.....	.....	.....
283	G. H. Haskins.....	1	Grape Creek..	1,658	560	.....	1,098	.....
284	B. B. Peterson.....	1	Cable.....	1,497	900	.....	557	40
285	Pocahontas Mining Co	1	Pocahontas....	1,294	1,144	.....	150	.....
		419	.....	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606

Here is shown a list of the 419 collieries of the State, all of which are known as shipping mines, giving the location and output of each mine, also the distribution of the product. These mines are owned or controlled by 285 corporations, firms or individuals.

The following classification shows the character of the ownership of this class of mines for the past three years:

YEAR.	Total number of mines.	Number of locations.	OPERATORS.			Totals.
			Corporations.	Firms.	Individuals.	
1904.....	380	175	228	20	25	273
1905.....	397	173	242	21	17	280
1906.....	419	178	248	21	16	285

This reveals that the number of corporations operating coal mines, has increased from 228 in 1904 to 248 this year, or 8.77 per cent. The total output of these mines for the year was 37,122,811 tons or 96.89 per cent of the tonnage of all the mines in the State. The reported disposition of this total product is, that 33,096,110 tons or 89.15 per cent, was loaded onto cars at the mines and shipped to the several markets of this and other States; 1,035,344 tons or 2.79 per cent was supplied to locomotives at the mines, 1,393,751 tons or 3.76 per cent was sold to the local trade, and 1,597,606 tons or 4.30 per cent was consumed or wasted at the mines.

A list of the 178 locations at which these 419 collieries are situated is here presented, arranged alphabetically, with the counties and districts:

TABLE 22—*List of the 178 Places and the Number of Shipping Mines at Each, also the Districts in Which Located—1906.*

Town or Postoffice.	County.	District.	Number of mines.
Andrews	Sangamon	6	1
Astoria.....	Fulton	4	1
Assumption.....	Christian.....	7	1
Athens.....	Menard.....	6	2
Auburn	Sangamon	6	3
Augusta	Hancock	4	1
Barclay.....	Sangamon	6	1
Bartonville.....	Peoria.....	3	1
Belleville	St. Clair.....	8	25
Benton.....	Franklin.....	9	1
Bissell	Sangamon	6	1
Bloomington.....	McLean.....	4	1
Blue Mound.....	Macon.....	5	1
Braceville	Grundy.....	1	3
Braidwood.....	Will.....	1	2
Breeds	Fulton	4	1
Breese	Clinton.....	9	3
Brereton.....	Fulton	4	1
Briar Bluff.....	Henry.....	2	1
Bush.....	Williamson.....	10	1
Cable.....	Mercer	2	2
Cambria	Williamson.....	10	3
Canton.....	Fulton	4	2
Cantrall.....	Sangamon	6	1
Carbon Hill	Grundy.....	1	3
Carbon Cliff.....	Rock Island.....	2	1

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Cardiff.....	Livingston.....	3	2
Carlinsville	Macoupin	7	1
Carterville.....	Williamson....	10	9
Catlin.....	Vermilion.....	5	1
Centralia.....	Marion.....	9	2
Chatham.....	Sangamon	6	1
Chenoa.....	McLean.....	4	1
Cherry	Bureau.....	2	1
Clifford.....	Williamson.....	10	1
Clark City.....	Kankakee.....	1	1
Coal City.....	Grundy.....	1	3
Coal Valley.....	Rock Island.....	2	1
Coffeen.....	Montgomery.....	7	1
Collinsville	Madison.....	8	6
Colfax.....	McLean.....	4	1
Colchester.....	McDonough.....	4	2
Cornell.....	Livingston.....	3	1
Coulterville.....	Randolph	9	2
Cuba	Fulton	4	4
Cutler,	Perry.....	9	1
Danville	Vermilion.....	5	10
Dawson	Sangamon	6	1
Decatur.....	Macon.....	5	3
DeSoto.....	Jackson.....	10	4
Dewmaine	Williamson.....	10	1
Diamond.....	Grundy.....	1	2
Divernon.....	Sangamon	6	1
Donkville.....	Madison.....	8	1
DuBois.....	Washington	9	1
Duquoin.....	Perry.....	9	13
Dunfermline.....	Fulton	4	2
East St. Louis.....	St. Clair.....	8	2
Edwards	Peoria.....	3	1
Edwardsville	Madison.....	8	2
Equality.....	Gallatin.....	10	2
Eldorado.....	Saline.....	10	2
Ellisville.....	Fulton	4	1
Etherly	Knox.....	2	1

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Fairbury.....	Livingston.....	3	1
Fairmount.....	Vermilion.....	5	1
Farmington	Fulton	4	4
Freeburg.....	St. Clair.....	8	3
Galatia.....	Saline.....	10	1
Galva	Henry.....	2	1
Germantown.....	Clinton.....	9	1
Georgetown.....	Vermilion.	5	1
Gilchrist.....	Mercer.....	2	2
Gillespie.. ..	Macoupin	7	4
Girard.....	Macoupin	7	1
Glen Carbon	Madison.....	8	2
Grape Creek	Vermilion.....	5	2
Granville.....	Putnam	3	1
Greenridge.....	Macoupin	7	1
Greenview	Menard.....	6	1
Hallidayboro	Jackson.....	10	1
Harrisburg	Saline.....	10	12
Herrin	Williamson.....	10	8
Hillsboro	Montgomery.....	7	2
Hornsby	Macoupin	7	1
Johnson City.....	Williamson.....	10	4
Kangley.....	La Salle.....	1	2
Kewanee.....	Henry.....	2	1
Keys	Sangamon	6	1
Kinmundy.....	Marion.....	9	1
Kramm	Peoria.....	3	1
Ladd.....	Bureau.....	2	1
LaSalle	La Salle....	1	6
Lenzburg.....	St. Clair.....	8	2
Lincoln.	Logan.....	6	3
Littleton.....	Schuyler.....	6	1
Litchfield.....	Montgomery.....	7	1
Livingston.....	Madison.....	8	1
Mapletown.....	Peoria.....	3	3
Marquette.....	Bureau.....	2	1
Marion.....	Williamson.....	10	5
Marrissa	St. Clair.....	8	9

Table 22—Continued.

Town or Postoffice.	County.	District.	Numb of min
Maryville	Madison.....	8	
Mascoutah.....	St. Clair.....	8	
Mechanicsburg	Sangamon	6	
Middletown.....	Menard.....	6	
Minonk	Woodford.....	3	
Mt. Olive.....	Macoupin	7	
Mt. Pulaski.....	Logan.....	6	
Mt. Vernon	Jefferson.....	9	
Mowequa.....	Shelby	7	
Murphysboro	Jackson.....	10	
Nashville.....	Washington.....	9	
New Athens	St. Clair.....	8	
New Baden	Clinton.....	9	
Nilwood.....	Macoupin	7	
Norris.....	Fulton	4	
Oakwood.....	Vermillion.....	5	
Odin.....	Marion	9	
O'Fallon	St. Clair.....	8	
Oglesby.....	La Salle.....	1	
Parrville.....	Fulton	4	
Pana.....	Christian.....	7	
Panama.....	Montgomery.....	7	
Pawnee	Sangamon	6	
Pekin	Tazewell.....	4	
Peoria.....	Peoria.....	3	
Pocahontas.....	Bond	8	
Percy	Randolph	9	
Peru.....	La Salle.....	1	
Petersburg.....	Menard.....	6	
Pinckneyville	Perry.....	9	
Preemption.....	Mercer	2	
Raymond	Montgomery.....	7	
Rentchler.....	St. Clair.....	8	
Richland.....	St. Clair.....	8	
Riverton	Sangamon	6	
Roanoke	Woodford.....	3	
Rutland.....	La Salle.....	1	
Sandoval.....	Marion.....	9	

Table 22—Concluded.

Town or Postoffice.	County.	District.	Number of mines.
St. David	Fulton	4	2
Selbytown	Sangamon	6	1
Seneca	La Salle.....	1	1
Sherman	Sangamon.....	6	1
Sherrard	Mercer	2	1
Sparland	Marshall.....	3	1
Sparta	Randolph	9	5
Spaulding.....	Sangamon	6	1
Springfield.....	Sangamon	6	16
Spring Valley	Bureau	2	5
Sorento.	Bond	8	1
South Wilmington	Grundy.....	1	2
Staunton.....	Macoupin	7	7
Stonington.....	Christian.....	7	1
Streator.....	La Salle.....	1	7
Sunfield.....	Perry.....	9	2
Sunny Hill.....	Rock Island.....	2	1
Tallula.....	Menard.....	6	1
Tamaroa.....	Perry.....	9	1
Taylorville.....	Christian.....	7	2
Thayer.....	Sangamon	6	1
Tice	Menard.....	6	1
Tilden.....	Randolph	9	2
Toluca.....	Marshall.....	3	1
Tower Hill.....	Shelby.....	7	1
Trenton.....	Clinton	8	2
Troy.....	Madison.....	8	2
Viola.....	Mercer	2	1
Virden	Macoupin	7	3
Wenona	Marshall.....	3	1
West Frankfort	Franklin.....	9	1
Westville	Vermilion.....	5	4
Winkle.....	Perry.....	9	1
Witt.....	Montgomery.....	7	1
Wilderman.....	St. Clair.....	8	1
Willisville	Perry.....	9	2
Worden.....	Madison.....	8	2
Wyoming.....	Stark.....	3	2
Zeigler.....	Franklin.....	9	

GRADED OUTPUT.

For the past seven years returns of coal operators have been made of the tonnage of the mines divided into six different grades. The division for this year is shown in the following table, by districts:

TABLE 23—*Output of the Shipping and Local Mines of the State with Tons of the Different Grades of Coal by Districts—1906.*

DISTRICTS.	Total output tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	2,843,504	271,570	1,582,086	272,527	90,338	566,503	60,480
Second.....	2,087,227	165,762	1,487,798	7,716	5,302	359,531	61,118
Third.....	1,675,654	428,920	870,967	38,970	49,656	241,788	45,353
Fourth.....	1,843,293	289,146	767,033	268,117	64,626	369,698	84,673
Fifth.....	2,128,332	1,516,259	373,024	45,356	59,796	129,095	4,802
Sixth.....	5,097,776	1,410,178	2,247,470	136,701	190,528	918,156	194,743
Seventh.....	4,815,953	875,391	2,587,111	74,771	234,861	935,476	108,343
Eighth.....	7,189,785	1,633,064	3,627,834	202,869	263,589	1,270,030	192,399
Ninth.....	4,110,043	1,368,010	1,377,735	257,407	279,115	694,265	133,511
Tenth.....	5,331,244	1,477,316	1,224,557	545,893	674,252	1,052,400	356,826
Shipping mines.....	37,122,811	9,435,616	16,145,615	1,850,327	1,912,063	6,536,942	1,242,248
Local mines.....	1,194,770	342,289	732,473	100	19,925	85,145	14,838
Totals.....	38,317,581	9,777,905	16,878,088	1,850,427	1,931,988	6,622,087	1,257,086

The output of the local mines is shown in the aggregate, the production being mainly in mine run and lump coal.

The division of the product of the shipping mines into the different grades shows lump coal to be largely in excess of either of the other grades; the same record has been uniform for all past years. In two of the districts, the fifth and tenth, the mine run grade exceeds that of the lump; in the fifth district the grade of mine run coal is 71.24 per cent of the total tonnage. This large percentage of mine run coal for that district is accounted for by the returns made by the operators of the shipping mines in Vermilion county; several of the mines in this county having the largest output report the entire product as mine run coal: for the shipping mines of the county, 77 per cent of the total output was returned as mine run coal.

The division of the different grades of coal is shown in percentages in the following table:

TABLE 24—*Percentages of Total Output of the Different Grades of Coal, Shipping and Local Mines, by Districts.*

DISTRICTS.	Per cent of total output.	PERCENTAGES OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	7.66	9.55	55.64	9.58	3.18	19.92	2.13
Second.....	5.62	7.94	71.28	.37	.25	17.23	2.93
Third.....	4.51	25.60	51.98	2.32	2.96	14.43	2.71
Fourth.....	4.97	15.69	41.61	14.54	3.51	20.06	4.59
Fifth.....	5.73	71.24	17.52	2.13	2.81	6.07	.23
Sixth.....	13.73	27.66	44.09	2.68	3.74	18.01	3.82
Seventh.....	12.97	18.18	53.72	1.55	4.88	19.42	2.25
Eighth.....	19.37	22.71	50.46	2.82	3.67	17.66	2.68
Ninth.....	11.07	33.29	33.52	6.26	6.79	16.89	3.25
Tenth.....	14.37	27.71	22.97	10.24	12.65	19.74	6.69
Shipping mines.....	100.00	25.42	43.49	4.98	5.15	17.61	3.35
Local mines.....	100.00	28.65	61.30	.01	1.67	7.13	1.24

Here is shown, by districts, the percentages of the total output of the mines of the State, also the same for each grade of coal, for the shipping and local mines. The second district shows much the largest per cent of lump coal, and the fifth district the smallest per cent, compared with the other districts.

The table following shows the total tonnage of the mines of the State for a series of seven years, with the division into the several different grades:

TABLE 25—Total Output of the Different Grades of Coal, all Mines, for Seven Years with Percentages.

YEAR.	Total output— tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
1900	25, 153, 929	5, 554, 627	13, 927, 899	495, 637	1, 323, 582	2, 811, 520	1, 040, 874
1901	26, 635, 319	6, 882, 740	13, 321, 124	496, 596	1, 217, 127	3, 667, 591	1, 060, 141
1902	30, 021, 300	6, 986, 204	15, 041, 673	680, 985	1, 586, 456	4, 604, 232	1, 121, 750
1903	34, 955, 400	10, 373, 098	15, 874, 509	995, 163	1, 775, 704	4, 540, 431	1, 416, 495
1904	37, 077, 897	10, 627, 904	16, 888, 010	1, 014, 700	1, 602, 283	5, 751, 570	1, 193, 330
1905	37, 183, 374	9, 248, 558	16, 819, 321	1, 716, 219	2, 096, 152	6, 247, 511	1, 115, 613
1906	38, 317, 581	9, 777, 905	16, 878, 068	1, 850, 427	1, 931, 968	6, 622, 067	1, 257, 066
Percentages—							
1900		22.08	55.37	1.97	5.26	11.18	4.14
1901		25.84	50.01	1.83	4.57	13.77	3.98
1902		23.27	50.10	2.27	5.28	15.34	3.74
1903		29.70	45.41	2.84	5.02	12.98	4.05
1904		28.66	45.55	2.74	4.32	15.51	3.23
1905		24.87	45.23	4.62	5.48	16.80	3.00
1906		25.52	44.05	4.83	5.04	17.28	3.26

The percentages for this year show but slight variation from those of last year; mine run coal shows the largest percentages for the years 1903 and 1904; lump coal for the years 1900, 1901 and 1902.

MINES, MEN AND TONS.

The presentation of the number of coal producing counties of the State, with the mines, men and tons, has been repeated in these reports for a number of years and is shown again in the following table:

TABLE 26—*Output of the State for 25 Years and the Mines and Men Producing the Same.*

YEAR.	NUMBER OF—				TONS OF—		PERCENTAGE OF—	
	Coun- ties.	Mines.	Men.	Tons.	Lump.	Other grades.	Lump.	Other grades.
1882.....	43	704	20,290	11,017,069	9,115,653	1,901,506	.....	.....
1883.....	47	639	28,039	12,123,456	10,030,991	2,092,465	.....	.....
1884.....	49	741	25,575	12,208,075	10,101,005	2,107,070	.....	.....
1885.....	50	778	25,946	11,834,459	9,791,874	2,402,585	.....	.....
1886.....	50	787	25,846	11,175,241	9,246,435	1,928,806	.....	.....
1887.....	49	801	26,804	12,423,066	10,278,890	2,144,176	.....	.....
1888.....	50	822	29,410	14,328,181	11,855,188	2,472,993	.....	.....
1889.....	49	854	30,076	14,017,298	11,597,963	2,419,335	.....	.....
1890.....	57	936	28,574	15,274,727	12,638,364	2,636,363	82.74	17.26
1891.....	57	918	32,951	15,660,698	12,960,224	2,700,474	82.76	17.24
1892.....	55	839	33,632	17,862,276	14,730,963	3,131,313	82.47	17.58
1893.....	56	788	35,390	19,949,564	16,112,899	3,836,665	80.77	19.23
1894.....	56	836	38,477	17,113,576	13,865,284	3,248,292	81.02	18.98
1895.....	54	874	38,630	17,735,864	14,045,962	3,689,902	79.25	20.75
1896.....	51	901	37,057	19,786,626	14,210,024	5,576,602	71.86	28.14
1897.....	50	853	33,788	20,072,758	14,672,241	5,400,517	73.10	26.90
1898.....	52	881	35,026	18,599,299	14,208,795	4,390,504	76.39	23.61
1899.....	52	869	36,991	23,434,445	17,427,598	6,006,847	74.37	25.63
1900.....	52	920	39,384	25,153,929	13,927,899	11,226,030	44.63	55.37
1901.....	53	915	44,143	26,635,319	13,321,124	13,314,195	50.01	49.99
1902.....	54	915	46,005	30,021,300	15,041,673	14,979,627	50.10	49.90
1903.....	53	933	49,814	34,955,400	15,874,509	19,080,891	45.41	54.59
1904.....	54	932	54,774	37,077,897	16,888,010	20,189,887	45.55	54.45
1905.....	56	990	59,230	37,183,374	16,819,321	20,364,053	45.23	54.77
1906.....	54	1,018	62,283	38,317,581	16,878,088	21,439,493	44.05	55.95

This reveals the advancement of the coal industry of the State for the first quarter of a century of its complete history.

The total tonnage has been divided and is shown in lump coal and other grades. For the years previous to 1890, only the tons of lump coal were reported, for each of these years the total tons have been ob-

tained by adding the percentages of other grades shown for 1890, consequently the percentages for the years 1882-1889 inclusive, are not supplied in this table.

The total tons of the mines thus found for 1882 has increased from 11,017,069 to 38,317,581 or 247.80 per cent; the lump tons from 9,115,653 to 16,878,088 or 85.16 per cent; other grades from 1,901,506 to 21,439,493 or 102.75 per cent. The percentage of lump coal shown for this year is less than for any former year, in consequence there is a corresponding increase in other grades.

In the following table is shown the total number of men and tons for 25 years with the percentages of gain or loss of each from year to year:

TABLE 27—Total Number of Men and Total Tons Produced with Percentages of Gain or Loss for Twenty-five Years.

YEAR.	Men.	Total output— tons.	PERCENTAGE OF MEN.		PERCENTAGE OF TONS.	
			Gain.	Loss.	Gain.	Loss.
1882.....	20,290	11,017,069				
1883.....	23,990	12,123,456	17.98		10.04	
1884.....	25,575	12,208,075	6.88		.70	
1885.....	25,946	11,834,459	1.35			3.06
1886.....	25,846	11,175,241		.39		5.57
1887.....	26,804	12,423,066	3.71		11.17	
1888.....	29,410	14,328,181	9.72		15.34	
1889.....	30,076	14,017,298	2.26			2.17
1890.....	28,574	15,274,727		4.99	8.97	
1891.....	32,951	15,660,698	15.32		3.53	
1892.....	33,632	17,862,276	2.07		14.06	
1893.....	35,390	19,949,564	5.23		11.69	
1894.....	38,447	17,113,576	8.72			14.22
1895.....	38,630	17,735,864	.40		3.64	
1896.....	37,057	19,786,626		4.07	11.56	
1897.....	33,788	20,072,758		8.82	1.45	
1898.....	35,026	18,599,299	3.66			7.34
1899.....	36,991	23,434,445	5.61		26.00	
1900.....	39,384	25,153,929	6.47		7.34	
1901.....	44,143	26,635,319	12.08		5.89	
1902.....	46,005	30,021,300	4.22		12.71	
1903.....	49,814	34,955,400	8.28		16.44	
1904.....	54,774	37,077,897	9.96		6.07	
1905.....	59,230	37,183,374	8.14		.28	
1906.....	62,283	38,317,581	5.15		3.05	

The number of men employed has increased 5.15 per cent; the gain

OUTPUTS BY

This year, in securing the usual information of each individual mine, put of their respective mines for each month of the fiscal year. The re-shipping mines, showing an output of 87,096,945 tons; the tonnage, pose here sought, their output amounting to only one-fourteenth of one. The following table presents the results by counties and districts:

TABLE 28—*Total Output Mined in Each Calendar Month, by*

COUNTIES AND DISTRICTS.	Total tons.	1905—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September.	October.	November.	December.
Grundy.....	1, 143, 144	75, 478	97, 667	115, 486	123, 210	125, 286	126, 620
Kankakee.....	28, 419	.....	940	1, 269	2, 601	2, 670	1, 598
LaSalle.....	1, 536, 582	94, 649	187, 725	149, 146	168, 829	170, 041	168, 699
Will.....	135, 359	7, 468	18, 522	12, 765	15, 752	15, 764	17, 568
First District.....	2, 843, 504	177, 595	249, 854	278, 666	310, 392	313, 761	314, 485
Bureau.....	1, 522, 793	83, 938	147, 469	140, 206	153, 308	164, 140	191, 307
Henry.....	92, 412	5, 317	7, 021	7, 607	8, 787	8, 508	8, 610
Knox.....	20, 466	936	919	659	1, 364	1, 647	1, 855
Mercer.....	422, 580	26, 764	39, 824	39, 763	47, 760	48, 970	50, 587
Rock Island.....	14, 043	835	1, 054	1, 414	1, 341	1, 514	1, 176
Second District.....	2, 072, 294	117, 790	196, 287	189, 649	212, 560	224, 779	253, 535
Livingston.....	239, 065	16, 174	17, 228	22, 572	22, 446	26, 195	27, 042
Marshall.....	427, 475	18, 290	42, 223	48, 814	49, 893	44, 985	43, 917
Peoria.....	723, 695	26, 306	45, 682	61, 953	76, 392	85, 214	90, 411
Putnam.....	135, 004	7, 440	12, 402	12, 250	13, 546	13, 600	14, 097
Stark.....	13, 841	1, 490	489	904	1, 214	1, 100	1, 580
Woodford.....	136, 574	7, 486	11, 217	12, 754	11, 228	15, 487	14, 755
Third District.....	1, 675, 654	77, 186	129, 241	159, 247	174, 719	186, 581	191, 802
Fulton.....	1, 516, 568	68, 279	113, 900	132, 031	152, 526	180, 022	181, 746
McDonough.....	23, 133	329	564	1, 453	1, 661	1, 721	2, 544
McLean.....	152, 500	7, 982	10, 718	13, 352	16, 146	16, 462	18, 145
Tazewell.....	142, 692	6, 401	10, 734	13, 928	16, 381	18, 614	19, 014
Fourth District....	1, 834, 893	82, 991	135, 916	160, 764	186, 714	216, 819	221, 449

in the total tons produced shows 3.05 per cent over last year.

MONTH.

the operators of shipping mines were requested to furnish the total out-
sult of this inquiry was that returns were received from 412 of the 419
however, of the seven mines not reporting is insignificant for the pur-
per cent of the total tonnage of the shipping mines.

Counties and Districts, from July 1, 1905, to June 30, 1906.

1906—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January.	February.	March.	April.	May.	June.	
135,789	127,696	150,197	.....	.....	65,715	Grundy
2,321	2,609	2,224	2,861	4,611	4,715	Kankakee
182,939	166,612	193,576	17,657	19,063	67,646	LaSalle
17,249	14,544	15,221	.....	.....	5,506	Will.....
338,298	311,461	361,218	20,518	23,674	143,582	First District.....
169,047	173,836	219,995	.....	.....	79,547	Bureau.....
9,219	8,571	9,397	2,315	8,813	8,247	Henry
2,844	2,152	2,220	2,085	2,560	1,275	Knox.....
51,852	47,802	54,574	312	170	14,202	Mercer
1,553	1,135	1,709	.....	654	1,658	Rock Island.....
234,515	233,496	287,895	4,662	12,197	104,929	Second District.....
25,725	28,058	33,762	3,581	4,092	12,190	Livingston.....
49,442	45,612	52,421	.....	2,589	29,289	Marshall
82,177	87,698	103,583	7,616	19,812	36,851	Peoria
15,619	14,804	18,690	.....	.....	12,556	Putnam
1,270	1,094	1,497	1,073	1,312	818	Stark.....
14,129	15,557	19,370	1,559	4,916	8,116	Woodford
188,362	192,823	229,323	13,829	32,721	99,820	Third District
183,126	176,391	214,204	5,274	24,565	84,504	Fulton
2,634	2,542	3,506	1,817	2,375	1,987	McDonough.....
17,593	16,839	17,518	4,182	4,206	9,357	McLean
17,369	16,359	20,858	.....	.....	3,034	Tazewell
220,722	212,131	256,086	11,273	31,146	98,882	Fourth District.....

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Maryville	Madison	8	1
Mascoutah	St. Clair	8	2
Mechanicsburg	Sangamon	6	1
Middletown	Menard	6	1
Minonk	Woodford	3	1
Mt. Olive	Macoupin	7	4
Mt. Pulaski	Logan	6	1
Mt. Vernon	Jefferson	9	1
Mowequa	Shelby	7	1
Murphysboro	Jackson	10	7
Nashville	Washington	9	1
New Athens	St. Clair	8	2
New Baden	Clinton	9	1
Nilwood	Macoupin	7	1
Norris	Fulton	4	2
Oakwood	Vermilion	5	2
Odin	Marion	9	1
O'Fallon	St. Clair	8	6
Oglesby	La Salle	1	2
Parrville	Fulton	4	1
Pana	Christian	7	4
Panama	Montgomery	7	1
Pawnee	Sangamon	6	1
Pekin	Tazewell	4	2
Peoria	Peoria	3	13
Pocahontas	Bond	8	1
Percy	Randolph	9	1
Peru	La Salle	1	2
Petersburg	Menard	6	3
Pinckneyville	Perry	9	2
Preemption	Mercer	2	1
Raymond	Montgomery	7	1
Rentchler	St. Clair	8	2
Richland	St. Clair	8	1
Riverton	Sangamon	6	2
Roanoke	Woodford	3	1
Rutland	La Salle	1	1
Sandoval	Marion	9	2

Table 22—Concluded.

Town or Postoffice.	County.	District.	Number of mines.
St. David	Fulton	4	2
Selbytown	Sangamon	6	1
Seneca	La Salle.....	1	1
Sherman.....	Sangamon.....	6	1
Sherrard.....	Mercer	2	1
Sparland.....	Marshall.....	3	1
Sparta	Randolph	9	5
Spaulding.....	Sangamon	6	1
Springfield.....	Sangamon	6	16
Spring Valley	Bureau.....	2	5
Sorento.	Bond.....	8	1
South Wilmington	Grundy.....	1	2
Staunton.....	Macoupin	7	7
Stonington.....	Christian.....	7	1
Streator.....	La Salle.....	1	7
Sunfield.....	Perry.....	9	2
Sunny Hill.....	Rock Island.....	2	1
Tallula.....	Menard.....	6	1
Tamaroa.....	Perry.....	9	1
Taylorville.....	Christian.....	7	2
Thayer.....	Sangamon	6	1
Tice	Menard.....	6	1
Tilden.....	Randolph	9	2
Toluca.....	Marshall.....	3	1
Tower Hill	Shelby.....	7	1
Trenton.....	Clinton	8	2
Troy.....	Madison.....	8	2
Viola.....	Mercer	2	1
Virden	Macoupin	7	3
Wenona	Marshall.....	3	1
West Frankfort	Franklin.....	9	1
Westville	Vermilion.....	5	4
Winkle.....	Perry.....	9	1
Witt.....	Montgomery.....	7	1
Wilderman.....	St. Clair.....	8	1
Willisville	Perry.....	9	2
Worden.....	Madison.....	8	2
Wyoming.....	Stark.....	3	2
Zeigler.....	Franklin.....	9	

This is the second presentation of the output of the coal mines of the State during each calendar month of the fiscal year; the first was for the year 1897; last year the output was shown by six months periods. The securing of these statistics and the compilation made in this form was two-fold in purpose; first to show the relative activity of the coal industry of the State during each month of the year; and, second, to disclose the possible capacity of these mines in producing coal. That such test was likely to occur during the year was anticipated from the fact that the two year's agreement between the miners and operators would expire April 19, 1906, and the forecast of both organizations was that perchance before a new agreement was reached an indefinite suspension of work was likely to occur at a large majority of the mines. The suspension of the operators at practically all of the mines, took place April first and continued during that month and the month of May. An agreement between the miners and operators was consummated June 1, 1906, for two years ending March 31, 1908.

It has been stated that the returns here compiled were furnished by the individual operator of each mine; these returns are on file in the office of the Bureau but are not published for want of space. Referring only to the counties in which the mines of the largest output are located, it will be seen that, almost without exception, the increase in tonnage began in the month of August, which tonnage in several counties was more than doubled in the succeeding month of March.

The totals by districts shown in the foregoing table have been reduced to percentages which are presented in the following table:

TABLE 29—Percentages of the Total Output Mined in Each Month, by Districts.

Districts.	Total output reported by months.	PERCENTAGE OF THE TOTAL OUTPUT MINED IN EACH DISTRICT DURING THE MONTHS OF—											
		July 1905.	August.	September.	October.	November.	December.	January, 1906.	February.	March.	April.	May.	June.
First...	2,642,504	6.25	8.79	9.80	10.92	11.03	11.06	11.90	10.95	12.70	.72	.83	5.05
Second	2,072,294	5.63	9.47	9.15	10.35	10.85		11.82	11.27		.25	.59	5.06
Third...	1,675,654	4.80	7.71	9.50	10.43	11.13		11.24	11.51	12.69	.82	1.96	5.95
Fourth	1,111,111	4.52	7.41	9.75	10.18	11.81	12.07		11.56	12.96	.61	1.79	5.39
Fifth....	2,128,332	4.66	7.10	8.07	9.88	11.09	11.28	11.50	12.58	14.66	.85	1.11	7.32
Sixth.....	5,095,248	4.34	6.55	8.14	9.51	11.05	12.44	12.19	12.65	15.02	.42	.70	5.87
Seventh.	4,815,953	5.79	8.11	8.54	9.67	10.15	11.24	11.88	11.82	14.57	.21	.16	7.24
Eighth...	7,199,785	5.15	7.28	8.24	9.46	10.14	10.74	10.41	11.12	18.82	2.49	3.93	7.32
Ninth.....	4,110,043	4.52	6.41	7.40	9.08	10.87	11.35	11.91	11.66	15.24	1.29	2.81	7.96
Tenth.....	5,331,244	5.30	8.27	8.05	9.93	9.27	10.23	11.85	11.75	14.89	1.24	1.77	8.45
The State.	37,093,945	5.10	7.65	8.40	9.64	10.46	11.26	11.56	11.69	14.50	1.06	1.78	6.89

Here is shown in better form, for ready reference, the relative activity in the mining operations of the State for each month during the past year. These percentages reveal the beginning of the increased production and its gradual advancement in each district from July, 1905, to April 1, 1906. For the State the increase in production was from 5.10 per cent in July to 14.50 per cent in March.

During the discontinuance of operations, pending the scale settlement, the production was practically suspended; the output for April being only 1.06 per cent and May 1.78 per cent. The normal production or what may be considered such as shown for the month of August was only reached in June in the fields embraced in the fifth, eighth, ninth and tenth districts.

Collecting the percentages shown in Table 29 into five groups, the following is derived:

TABLE 30—*Percentages of Grouping of the Calendar Months.*

District.	PERCENTAGE OF OUTPUT DURING THE MONTHS OF—					
	July.	August, September, October, November.	December, January, February, March.	Eight months.	April, May.	June.
First.....	6.25	40.54	46.61	87.15	1.55	5.06
Second.....	5.68	39.73	48.71	88.44	0.82	5.06
Third.....	4.60	38.77	47.89	86.66	2.78	5.96
Fourth.....	4.52	38.16	49.62	87.88	2.31	5.39
Fifth.....	4.66	36.09	49.97	86.06	1.96	7.32
Sixth.....	4.34	35.36	53.30	88.66	1.13	5.87
Seventh.....	5.79	37.11	49.49	86.60	0.37	7.24
Eighth.....	5.13	35.12	46.09	81.21	6.33	7.33
Ninth.....	4.52	33.26	50.16	83.42	4.10	7.96
Tenth.....	5.30	34.52	48.72	83.24	3.01	8.45
The State.....	5.10	36.16	49.01	85.17	2.84	6.89

These percentages are grouped mainly to show the volume of production of the shipping mines during the eight months, August to March inclusive, previous to April 1, 1906; also the inactivity of the same mines during the months of April and May. All of the districts show an increase of output during the four months of December-March, over the four preceding months. Combining the percentages for the eight months, it will be seen that the total output for the year in each district is represented in these months as being from 81.21 per cent in the eighth district to 88.66 per cent in the sixth district, while for the State 85.17 per cent of the total output was mined during the same period. The general suspension prevailing of the mining industry throughout the State during the months of April and May is reflected by the 2.84 per cent of the total output produced during these two months.

HAULAGE IN THE MINES.

The following table presents the record of haulage in the mines of the State, by districts:

TABLE 31—*Haulage of Coal in the Shipping Mines of the State by Districts—1906.*

DISTRICTS.	ELECTRICITY.		CABLE.		MULE OR HORSE.		HAND.		VARIOUS.	
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.
First .....	.....	.....	.....	.....	29	2,377,662	1	4,176	4	*461,666
Second .....	.....	.....	3	329,074	14	1,735,656	5	22,497	.....	.....
Third	3	491,998	6	356,217	18	813,598	2	13,841	.....	.....
Fourth .....	.....	.....	.....	.....	24	1,298,546	3	31,533	6	*513,214
Fifth .....	.....	.....	.....	.....	19	864,285	.....	.....	7	*1,264,047
Sixth	7	1,072,396	3	343,304	38	3,606,976	.....	.....	1	*75,100
Seventh	10	1,322,958	2	327,927	22	2,681,309	1	3,500	1	†480,259
Eighth	6	1,185,549	1	54,968	71	5,949,268	.....	.....	.....	.....
Ninth	1	238,654	.....	.....	40	1,938,348	.....	.....	11	*1,933,041
Tenth	7	1,790,939	.....	.....	49	3,105,975	.....	.....	4	*434,330
The State..	34	6,102,494	15	1,411,490	324	24,371,623	12	75,547	34	5,161,657
1905	19	3,602,777	10	1,077,707	316	24,315,544	14	84,186	38	6,876,329
1904	14	3,331,420	9	1,205,281	302	24,829,705	18	107,426	87	6,305,685
1903	14	3,308,285	21	2,537,895	297	25,411,371	10	60,823	11	2,358,163
1902	10	2,258,293	15	2,626,182	288	22,036,531	7	30,329	12	1,873,415
1901	12	2,062,377	21	2,740,616	545	21,068,518	340	743,808	.....	.....
1900	7	1,331,579	27	2,424,978	512	20,410,169	374	987,570	.....	.....

* Cable, electric, hand and mule.

† Compressed air.

‡ 677,495 tons hauled by electricity.

In addition to the record of hauling by districts the table shows, for the State, that of the six previous years, the most noticeable feature presented is the increase in electrical haulage; the tons moved by this power the past year was 6,102,494 or 97.14 per cent more than last year; the number of mines using this power increased from 19 last year to 34 this year, or 79 per cent. The use of mules for hauling cars in the mines has not diminished; they were employed in 77.33 per cent of the shipping mines and hauled 65.65 per cent of the coal.

The percentages of mines, and tons of the different systems of haulage in shipping mines are shown in the following table:

TABLE 32—*Percentages of Shipping Mines and Tons Showing the Haulage for Five Years.*

YEAR.	PERCENTAGES OF MINES USING AND TONS HAULED BY—									
	ELECTRICITY.		CABLE.		HORSE OR MULE.		HAND.		VARIOUS.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1902	3.02	7.83	4.52	9.11	86.75	76.45	2.10	.11	3.61	6.50
1903	3.97	9.82	5.92	7.54	84.13	75.46	2.83	.18	3.12	7.00
1904	3.68	9.31	2.37	3.37	79.47	76.40	4.74	.30	9.74	17.62
1905	4.79	10.02	2.52	3.00	79.60	67.62	3.52	.23	9.57	19.73
1906	8.11	16.44	3.58	3.80	77.33	65.65	2.86	.20	8.12	13.91
Increase .. (+) }	+78.95	+69.38	+50.00	+30.97	+2.53	+.24	-14.29	-11.45	-10.53	-24.93
Decrease .. (—) }										

The increase in the number of mines and the tons brought out both by electrical power and by cable, this year over last, is shown in the last line of the table.

OUTPUT BY COUNTIES.

The counties producing 500,000 tons and more are shown in the two following tables for a series of ten years:

TABLE 33—*Relative Rank of Counties Producing 500,000 Tons of Coal or Over for a Series of Five Years, 1902—1906.*

COUNTY.	Rank.	Tonnage 1906.	Rank.	Tonnage 1905.	Rank.	Tonnage 1904.	Rank.	Tonnage 1903.	Rank.	Tonnage 1902.
St. Clair	1	4,168,019	3	3,398,032	2	3,418,479	2	3,134,679	2	2,578,553
Sangamon	2	4,155,431	1	4,395,050	1	4,516,358	1	4,386,526	1	3,672,989
Williamson	3	3,927,189	2	3,815,751	4	3,038,466	4	2,551,587	6	1,956,271
Macoupin	4	3,241,087	6	2,530,840	6	2,221,474	6	2,223,055	4	2,075,253
Madison	5	3,031,553	4	2,987,906	5	3,030,892	5	2,711,767	5	2,013,692
Vermilion	6	2,012,835	5	2,618,375	3	3,114,060	3	2,893,233	3	2,558,371
LaSalle	7	1,595,327	8	1,696,853	8	1,773,189	7	1,877,555	7	1,894,510
Fulton	8	1,593,793	9	1,439,489	10	1,284,279	10	1,036,496	10	889,679
Bureau	9	1,547,456	7	1,751,875	7	1,832,577	8	1,778,302	8	1,732,813
Perry	10	1,443,926	11	1,268,718	11	1,240,174	11	1,031,751	14	789,625
Grundy	11	1,170,625	10	1,326,109	9	1,405,158	9	1,457,935	9	1,383,336
Peoria	12	844,484	13	904,892	14	939,737	15	920,716	13	824,270
Christian	13	826,500	15	857,890	13	986,685	14	926,563	15	725,088
Marion	14	826,280	12	1,086,350	12	1,083,734	12	1,002,047	11	881,821
Clinton	15	770,689	14	904,826	15	925,515	16	870,518	16	724,462
Jackson	16	759,962	16	802,101	16	862,641	13	972,284	12	853,056
Montgomery	17	649,839	..	.....	..	.....	..	.....	..	.....
Saline	18	601,979	..	.....	..	.....	..	.....	..	.....
Randolph	19	581,841	19	506,547	17	620,280	..	.....	..	.....
Menard	20	536,273	..	.....	19	543,763	..	.....	..	.....
Marshall .....	..	.....	18	510,968	..	.....	..	.....	..	.....
Mercer .....	..	.....	17	544,220	18	601,508	17	648,070	17	602,722
Totals — Counties and tons	20	34,285,088	19	33,346,792	19	33,438,969	17	30,423,084	17	26,156,511

TABLE 34—*Relative Rank of Counties Producing 500,000 Tons of Coal or Over for a Series of Five Years—1897-1901.*

COUNTY.	Rank.	Tonnage 1901.	Rank.	Tonnage 1900.	Rank.	Tonnage 1899.	Rank.	Tonnage 1898.	Rank.	Tonnage 1897.
St. Clair	2	2,518,847	2	2,253,883	4	1,849,474	2	1,600,752	4	1,718,194
Sangamon	1	2,919,228	1	2,519,911	2	2,083,572	1	1,763,863	3	1,838,453
Williamson	6	1,605,960	9	1,133,607	9	1,078,755	6	915,108	12	669,480
Macoupin	3	2,115,819	5	1,848,796	5	1,646,674	4	1,264,926	2	1,975,981
Madison	7	1,595,081	6	441,650	7	1,403,977	13	630,769	9	780,921
Vermilion	4	2,003,780	3	2,030,954	1	2,221,867	3	1,520,699	1	2,000,623
LaSalle	5	1,833,561	4	2,027,864	3	1,975,939	5	1,165,490	5	1,508,833
Fulton	14	646,400	14	665,439	13	601,084	14	563,397	..	.....
Bureau	8	1,549,056	7	1,338,231	6	1,410,524	8	865,892	6	1,145,312
Perry	13	664,278	13	690,653	10	879,422	9	845,329	10	689,921
Grundy	9	1,293,092	8	1,299,863	8	1,280,332	10	796,249	7	1,077,576
Peoria	12	710,582	12	727,737	12	744,698	12	640,193	..	.....
Christian	16	578,482	15	652,662	14	572,459	..	.....	8	837,897
Marion	11	829,326	11	840,814	..	.....	11	714,513	13	626,850
Clinton	15	644,664	16	535,601	..	.....	..	.....	..	.....
Jackson	10	911,245	10	883,311	11	875,711	7	911,194	11	675,212
Montgomery .....	..	.....	..	.....	..	.....	..	.....	..	.....
Saline .....	..	.....	..	.....	..	.....	..	.....	..	.....
Randolph .....	..	.....	..	.....	..	.....	..	.....	..	.....
Menard .....	..	.....	..	.....	..	.....	..	.....	..	.....
Marshall .....	..	.....	..	.....	..	.....	..	.....	..	.....
Mercer	17	563,603	17	501,065	..	.....	..	.....	..	.....
Totals — Counties and tons	17	22,982,499	17	21,383,041	14	18,624,488	14	14,198,374	13	15,545,253

Each of these counties represent a production of 500,000 tons or more during the ten years shown. This year 20 counties are found in this class; St. Clair takes first place and puts Sangamon second, the latter county has held first place for the previous six years. In Table 34 the counties are arranged in rank the same as in Table 33; both tables reveal the variable production of coal in the counties embraced in the list. This year the twenty counties in the list show an output of thirty-four and a quarter millions of tons, or 89.48 per cent of the total output of all the counties of the State.

The following table presents an alphabetical list of the coal producing counties of the State, giving the district in which they are located, with the record of all the mines, men and tons, and the same record separately for both shipping and local mines:

TABLE 35—*Coal Producing Counties of the State, Showing Number of Districts, Mines, Men and Tons, both Shipping and Local Mines—1906.*

COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1 Bond	8	2	202	120,521	2	202	120,521			
2 Brown	6	8	11	1,694				8	11	1,694
3 Bureau	2	21	4,746	1,547,458	8	4,695	1,532,793	13	80	24,665
4 Calhoun	7	1	10	3,000				1	10	3,000
5 Cass	6	1	4	750				1	4	750
6 Christian	7	8	1,497	826,500	8	1,497	826,500			
7 Clinton	9	6	1,183	770,689	6	1,183	770,689			
8 Edgar	5	2	14	3,300				2	14	3,300
9 Franklin	9	3	696	387,230	3	696	387,230			
10 Fulton	4	66	2,821	1,593,793	23	2,595	1,516,568	65	226	77,225
11 Gallatin	10	7	150	99,990	2	120	90,264	5	30	9,696
12 Greene	7	4	33	8,016				4	33	8,016
13 Grundy	1	24	2,800	1,170,625	11	2,768	1,143,144	12	101	27,481
14 Hancock	4	5	33	10,907	1	12	8,400	4	21	2,507
15 Henry	2	29	363	162,429	3	175	92,412	26	188	70,017
16 Jackson	10	22	1,424	759,962	11	1,385	741,796	11	39	18,166
17 Jefferson	8	1	36	20,292	1	36	20,292			
18 Johnson	10	2	6	912				2	6	912
19 Kankakee	1	1	68	28,419	1	68	28,419			
20 Knox	2	45	207	63,285	1	41	20,466	45	166	42,820
21 LaSalle	1	41	3,739	1,606,327	18	3,537	1,536,582	23	202	58,745
22 Livingston	3	11	506	281,035	4	390	239,065	7	116	41,970
23 Logan	6	4	675	450,127	4	675	450,127			
24 Macon	5	5	486	266,883	5	486	266,883			
25 Macoupin	7	29	3,992	2,241,087	19	2,929	2,225,124	10	63	15,963
26 Madison	6	36	3,851	3,031,553	18	3,522	2,968,185	18	129	43,869
27 Marion	9	6	1,369	826,280	6	1,369	826,280			
28 Marshall	3	13	1,060	437,230	3	1,016	427,475	10	34	9,755
29 McDonough	4	67	267	66,550	2	78	23,133	65	214	33,417
30 McLean	4	3	346	153,500	3	346	153,500			
31 Menard	6	16	796	536,273	9	757	520,394	7	39	15,879
32 Mercer	2	16	784	442,095	7	742	431,497	9	42	16,581

Table 35—Concluded.

COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Montgomery.	7	8	940	649,839	7	934	648,188	1	6	1,651
Franklin.	7	2	14	3,048	.....	.....	.....	2	14	3,048
Madison.	3	84	1,292	844,484	17	971	723,695	67	321	120,789
Yardley.	9	27	2,051	1,443,926	22	2,026	1,433,170	5	25	10,756
Stam.	3	1	279	135,004	1	279	135,004	.....	.....	.....
Polk.	9	15	858	581,841	11	835	572,001	4	23	9,840
Island.	2	15	132	74,021	3	39	20,059	12	93	53,962
De.	10	22	1,008	601,979	15	984	586,080	7	24	5,899
Samson.	6	40	6,294	4,155,431	35	6,189	4,124,722	5	105	30,709
Wyer.	6	14	77	16,332	1	25	2,533	13	52	13,799
.....	7	8	45	19,938	.....	.....	.....	8	45	19,938
Dyer.	7	11	365	126,664	2	261	116,141	9	104	10,523
St.	3	18	121	34,696	2	26	13,841	16	95	20,855
Clair.	8	83	4,479	4,168,019	58	4,309	4,071,079	25	170	96,940
Well.	4	12	358	212,633	4	235	142,692	8	123	69,941
Union.	5	59	3,517	2,012,835	21	3,217	1,861,449	38	300	151,386
Ken.	2	15	61	16,214	.....	.....	.....	15	61	16,214
Wilmington.	9	3	156	95,796	2	148	93,796	1	8	2,000
De.	9	1	11	6,585	1	11	6,585	.....	.....	.....
.....	1	6	415	141,959	4	395	135,359	2	20	6,600
Samson.	10	44	5,082	3,927,189	32	5,005	3,903,104	12	77	24,085
Wiford.	3	2	375	136,574	2	375	136,574	.....	.....	.....
Totals. ....	..	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770

DISPOSITION OF THE OUTPUT.

The disposition of the entire output of the coal, of the State for the year, is shown in the following table by districts:

TABLE 36—*Disposition of the Output of Shipping Mines by Districts. Also Local Mines.*

DISTRICTS.	Number of mines.	Total output all grades—Tons.	DISPOSITION OF PRODUCT—TONS.			
			Shipped from mines.	Supplied to locomotives at mines.	Sold to local trade.	Consumed and wasted at mines.
First	24	2,843,504	2,364,675	96,160	142,879	239,790
Second	22	2,087,227	1,917,880	26,071	50,233	93,043
Third	29	1,675,654	1,498,229	58,978	63,133	55,314
Fourth	33	1,843,293	1,616,865	57,714	102,399	66,315
Fifth	26	2,128,332	1,881,911	33,683	162,506	50,232
Sixth	49	5,097,776	4,493,078	129,877	272,346	202,475
Seventh	36	4,815,953	4,313,683	143,892	155,839	202,539
Eighth	78	7,189,785	6,714,094	82,791	119,978	272,922
Ninth	52	4,110,043	3,483,269	333,951	141,931	150,892
Tenth	60	5,331,244	4,812,426	72,227	182,507	264,084
Shipping mines...	419	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606
Local mines	599	1,194,770	.....	.....	1,145,927	48,843
The State	1,018	38,317,581	33,096,110	1,035,344	2,539,678	1,646,449

A better reading of these figures will be found in the following table of percentages:

TABLE 37—*Percentages of the Output of Shipping and Local Mines. Also Percentages of the Distribution, by Districts—1906.*

DISTRICTS.	Number of mines.	PERCENTAGES OF TONS—				
		Total output.	Shipped.	To locomotives.	Sold to local trade.	Consumed or wasted at mines.
First	34	7.66	83.16	3.38	5.03	8.43
Second	22	5.62	91.88	1.25	2.41	4.46
Third	29	4.52	89.41	3.52	3.77	3.80
Fourth	33	4.97	87.72	3.13	5.55	3.60
Fifth	26	5.73	88.42	1.58	7.64	2.36
Sixth	49	13.73	88.14	2.55	5.34	3.97
Seventh	36	12.97	89.57	2.99	3.24	4.20
Eighth	78	19.37	93.38	1.15	1.67	3.80
Ninth	52	11.07	84.75	8.13	3.45	3.67
Tenth	60	14.36	90.27	1.36	3.42	4.95
Shipping mines.....	419	100.00	89.15	2.79	3.76	4.30
Local mines	599	100.00	.....	.....	95.91	4.09

Considered by districts, the percentages of tons shipped from each varies but slightly; the eighth district shows the highest per cent, 93.38; and the first the lowest, 83.16; for the State, 89.15 per cent of the total tonnage was shipped.

Dividing the coal fields of the State, as represented by districts, into three groups, the following is presented: Considering the first, second, third and fourth districts as the northern field; the fifth, sixth and seventh as the central field, and the eighth, ninth and tenth as the southern field. With this division, it is found that the northern field produced 8,449,678 tons, or 22.77 per cent of the total output of shipping mines; the central field produced 12,042,061 tons or 32.43 per cent; and the southern field produced 16,631,072 tons or 44.80 per cent. The northern field, from its production of the shipping mines, sent 7,397,649 tons or 87.55 per cent to the market; the central field 10,688,672 tons or 88.76 per cent, and the southern field 15,009,789 tons or 90.25 per

cent. The total output and disposal of the product of the shipping mines is shown by percentages for the past seven years; also the same for local mines.

TABLE 38—*Total Output of the Shipping Mines of the State, also Percentages of the Distribution for Seven Years.*

YEAR.	Total output.	PERCENTAGES OF—			
		Tons shipped.	Tons supplied to locomotives.	Tons sold to local trade.	Tons consumed or wasted at the mines.
1900.....	24,056,996	87.33	3.42	5.12	4.13
1901.....	25,526,816	88.34	3.46	4.12	4.08
1902.....	28,824,750	89.07	3.30	3.74	3.89
1903.....	33,676,537	89.33	3.27	3.59	3.81
1904.....	35,779,517	88.82	3.32	3.80	4.06
1905.....	35,956,543	88.07	3.26	3.88	4.79
1906.....	37,122,811	89.16	2.79	3.75	4.30

LOCAL MINES.

1900.....	1,096,933	.....	5.66	85.57	8.77
1901.....	1,108,503	.....	5.84	86.62	7.54
1902.....	1,196,550	.....	1.54	89.05	9.41
1903.....	1,278,864	.....	1.29	86.86	11.85
1904.....	1,298,380	.....	2.75	89.46	7.79
1905.....	1,226,831	.....	.49	98.20	1.31
1906.....	1,194,770	.....	.....	95.91	.4.09

As indicated by the percentages, the very large proportion of the product of the shipping mines, loaded on cars at the plants for shipment, shows a remarkable uniformity in quantity for the seven years.

DISPOSITION BY DISTRICTS AND COUNTIES.

Following is presented a detailed showing of the coal produced in each county for the past year and the disposition of the product. The order of districts is observed in this showing:

TABLE 39—*Disposition of the Output of Shipping Mines by Counties, and Districts, also the Total Tonnage of Local Mines.*

FIRST DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Grundy	11	1, 143, 144	1, 080, 613	.....	19, 451	43, 080
Kankakee	1	28, 419	25, 343	.....	1, 076	2, 000
LaSalle	18	1, 536, 582	1, 136, 927	96, 160	113, 986	189, 509
Will.....	4	135, 359	121, 792	.....	8, 366	5, 201
The district.....	34	2, 843, 504	2, 364, 675	96, 160	142, 879	239, 790
Percentages .....	.....	100.00	83.16	3.38	5.03	8.43
Local mines	38	92, 826	.....	.....	71, 253	21, 573

SECOND DISTRICT.

Bureau	8	1, 522, 793	1, 400, 517	23, 401	27, 693	71, 182
Henry	3	92, 412	82, 120	.....	6, 992	3, 300
Knox	1	20, 466	19, 566	600	300	.....
Mercer	7	431, 497	399, 828	2, 070	11, 588	18, 011
Rock Island.....	3	20, 059	15, 849	.....	3, 660	550
The district.....	22	2, 087, 227	1, 917, 880	26, 071	50, 233	93, 043
Percentages .....	.....	100.00	91.88	1.25	2.41	4.46
Local mines	120	224, 267	.....	.....	221, 321	2, 946

THIRD DISTRICT.

Livingston	4	239, 065	220, 446	7, 393	5, 357	5, 869
Marshall	3	427, 475	347, 004	29, 040	33, 128	18, 303
Peoria	17	723, 695	684, 748	18, 495	4, 171	16, 281
Putnam	1	135, 004	124, 918	175	3, 753	6, 158
Stark	2	13, 841	8, 941	.....	4, 500	400
Woodford	2	136, 574	112, 172	3, 875	12, 224	8, 303
The district.....	29	1, 675, 654	1, 498, 229	58, 978	63, 133	55, 314
Percentages .....	.....	100.00	89.41	3.52	3.77	3.30
Local mines	100	193, 369	.....	.....	182, 301	.....

Table 39—Continued.

FOURTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mine.	Sold to local trade.	Consumed or wasted at the mines.
Fulton	23	1,516,568	1,437,593	27,284	16,359	35,332
Hancock	1	8,400	8,000	.....	400	.....
McLean	3	152,500	34,231	30,430	60,939	26,900
McDonough	2	23,133	22,854	.....	.....	279
Tazewell	4	142,692	114,187	.....	24,701	3,804
The district	33	1,843,293	1,616,865	57,714	102,399	66,315
Percentages .....	.....	100.00	87.72	3.13	5.55	3.60
Local mines	142	183,090	.....	.....	180,804	2,286

FIFTH DISTRICT.

Macon	5	266,883	132,445	2,421	123,152	8,865
Vermilion	21	1,861,449	1,749,466	31,262	39,354	41,367
The district	26	2,128,332	1,881,911	33,683	162,506	50,232
Percentages .....	.....	100.00	88.42	1.58	7.64	2.36
Local mines	40	154,686	.....	.....	154,586	100

SIXTH DISTRICT.

Logan	4	450,127	363,378	25,267	45,315	16,167
Menard	9	520,394	458,070	2,822	37,742	21,760
Sangamon	35	4,124,722	3,669,547	101,788	189,289	164,098
Schuyler	1	2,533	2,063	.....	.....	450
The district	49	5,097,776	4,493,078	129,877	272,346	202,475
Percentages .....	.....	100.00	88.14	2.55	5.34	3.97
Local mines	34	62,831	.....	.....	60,816	2,015

SEVENTH DISTRICT.

Christian	8	826,500	661,920	54,742	57,810	52,028
Macoupin	19	3,225,124	2,968,090	67,784	59,607	129,643
Montgomery	7	648,188	601,120	8,049	25,056	13,963
Shelby	2	116,141	82,553	13,317	13,366	6,905
The district	36	4,815,953	4,313,683	143,892	155,839	202,539
Percentages .....	.....	100.00	89.57	2.99	3.24	4.20
Local mines	35	62,139	.....	.....	57,572	4,567

Table 39—Concluded.

EIGHTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE—			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Bond	2	130,521	120,662	.....	3,370	6,489
Madison.....	18	2,968,185	2,797,302	23,316	45,286	122,281
St. Clair	58	4,071,079	3,796,130	59,475	71,322	144,152
The district.....	78	7,189,785	6,714,094	82,791	119,978	272,922
Percentages .....	.....	100.00	93.38	1.15	1.67	3.80
Local mines	43	140,308	.....	.....	137,968	2,340

NINTH DISTRICT.

Clinton.....	6	770,689	677,121	40,130	18,839	35,099
Franklin.....	3	387,230	356,271	614	9,590	20,765
Jefferson.....	1	20,292	2,086	9,969	7,046	1,191
Marion.....	6	826,280	582,557	141,159	55,415	47,149
Perry	22	1,433,170	1,268,478	111,821	21,033	31,838
Randolph	11	572,001	553,083	.....	9,590	9,328
Washington	2	93,796	42,963	30,258	15,543	5,042
White.....	1	6,585	720	.....	5,385	480
The district.....	52	4,110,043	3,483,269	333,951	141,931	150,892
Percentages .....	.....	100.00	84.75	8.13	3.45	3.67
Local mines	10	22,596	.....	.....	22,398	198

TENTH DISTRICT.

Gallatin.....	2	90,264	69,306	3,973	12,943	4,042
Jackson.....	11	741,796	587,784	40,738	13,737	99,537
Saline.....	15	596,080	550,821	18,487	15,111	11,661
Williamson.....	32	3,903,104	3,604,515	9,029	140,716	148,844
The district.....	60	5,331,244	4,812,426	72,227	182,507	264,084
Percentages .....	.....	100.00	90.27	1.36	3.42	4.95
Local mines	37	58,658	.....	.....	58,908	1,750

DISTRIBUTION OF COAL TO RAILROADS.

For the past nine years these reports have shown the commercial tonnage of the coal producing counties of the State, and the railroads receiving the same for transportation from the mines. The record is here

presented for this year. Here is a list of 43 railroads that have transported the 33,096,110 tons of coal, the production of 45 counties. The Illinois Central has been at the head of this list every year; this year shows that 112 mines located in 21 counties, traversed by this road, delivered to it 7,238,773 tons for transportation. The Wabash road respecting tons hauled, stood fifth in the class last year, this year it is second, hauling three and a quarter million tons; this quantity was drawn from nine counties.

The detailed table follows:

TABLE 40—*Railroads Which Have Hauled the Coal Output of Shipping Mines of the State and the Tonnage Contributed by Counties to Each Road—1906.*

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
1	Illinois Central—21 counties.....	112	7,238,773	400,589	100.00	100.00
	Williamson.....	18	1,908,448	7,685	26.36	1.92
	Perry.....	18	890,878	49,375	12.31	12.33
	St. Clair.....	22	772,396	14,839	10.67	3.70
	Sangamon.....	8	608,582	15,930	8.41	3.98
	Marion.....	6	579,888	141,159	8.01	35.24
	Jackson.....	8	503,689	40,738	6.96	10.17
	LaSalle.....	4	353,936	45,700	4.89	11.41
	Madison.....	2	351,566	2,398	4.86	.60
	Christian.....	5	309,153	13,774	4.27	3.44
	Logan.....	4	212,880	25,267	2.94	6.31
	Randolph.....	4	174,553	.....	2.41	.....
	Macoupin.....	1	155,164	20,749	2.14	5.18
	Franklin.....	2	118,420	307	1.63	.07
	Marshall.....	1	77,204	.....	1.07	.....
	Shelby.....	1	59,806	13,317	.83	3.32
	Saline.....	2	42,633	.....	.59	.....
	Woodford.....	1	36,218	.....	.50	.....
	Washington.....	1	32,000	.....	.44	.....
	Kankakee.....	1	25,343	.....	.35	.....
	Macon.....	2	14,673	2,421	.20	.60
	McLean.....	1	11,343	6,930	.16	1.73
2	Wabash—9 counties.....	42	3,241,612	119,962	100.00	100.00
	Macoupin.....	12	1,587,981	47,035	48.98	39.22
	Sangamon.....	12	755,081	34,575	23.29	28.82
	Christian.....	3	300,329	30,900	9.27	25.75
	Madison.....	3	199,882	.....	6.17	.....
	Vermilion.....	3	117,472	.....	3.62	.....
	Livingston.....	2	111,687	.....	3.45	.....
	Macon.....	3	82,762	.....	2.55	.....
	Montgomery.....	2	54,938	7,452	1.70	6.21
	LaSalle.....	2	31,480	.....	.97	.....
3	Chicago & Eastern Illinois—5 counties....	23	2,505,098	10,015	100.00	100.00
	Vermilion.....	11	1,400,603	.....	55.91	.....
	Williamson.....	8	931,938	.....	37.20	.....
	Franklin.....	2	126,905	.....	5.07	.....
	Madison.....	1	43,609	46	1.74	.46
	Jefferson.....	1	2,043	9,969	.08	99.54

Table 40—Continued.

Number	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment	Locomotives.	Shipped.	Supplied to locomotives.
4	Chicago, Burl. & Quincy—11 counties . . .	46	2,075,384	17,430	100 00	
	Fulton	17	1,037,259	14,752	49 98	84 64
	LaSalle	9	410,082		19 76	
	Mercer	4	220,488	1,486	10 62	8 53
	Bureau	1	126,186	1,192	6 09	6 84
	Peoria	5	112,922		5 44	
	Henry	2	72,477		3 49	
	Williamson	2	47,137		2 27	
	McDonough	2	22,854		1 10	
	Bond	1	9,090		44	
	Stark	2	8,941		43	
	Hancock	1	8,000		39	
5	Chicago & Alton—9 counties . . .	41	1,991,912		100 00	
	Sangamon	18	1,513,941		76 00	
	Menard	4	189,263		9 50	
	Logan	2	150,498		7 56	
	Will.	3	87,291		4 38	
	Grundy	4	18,299		92	
	LaSalle	1	18,000		75	
	Marshall	7	15,000		75	
	Livingston	1	2,120		11	
	McLean	1	500		03	
6	Cleve, Cin., Chi. & St. Louis—9 counties	30	1,427,655	80,800	100 00	100 00
	Saline	13	491,289	16,487	34 41	30 40
	Montgomery	3	429,178		30 76	
	Vermilion	6	208,891	31,262	14 28	51 42
	Madison	1	180,827		9 16	
	Tazewell	2	59,402		4 16	
	Christian	1	39,329	7,551	2 76	12 42
	Macoupin	2	39,493		2 70	
	Shelby	1	22,747		169	
	McLean	1	2,500	3,500	18	5 76
7	Macoupin County R. R.—1 county . . .	4	1,186,452		100 00	
	Macoupin	4	1,186,452		100 00	
8	Baltimore & Ohio S.-W.—6 counties . . .	19	1,004,658	54,401	100 00	100 00
	Clinton	4	530,502	40,180	48 48	73 77
	St. Clair	6	406,493	512	37 32	94
	Sangamon	4	139,165	11,242	12 71	20 68
	Christian	1	13,109	2,517	1 20	4 63
	Marion	2	2,989		24	
	White	1	720		07	
9	Elgin, Joliet & Eastern—2 counties . . .	12	1,073,478		100 00	
	Grundy	11	1,038,977		96 79	
	Will.	1	34,501		3 21	
10	Chicago & Northwestern—1 county . .	6	1,026,725	13,903	100 00	100 00
	Bureau	6	1,026,725	13,903	100 00	100 00
11	St. Louis, Troy & Eastern—1 county . . .	3	846,656	2,060	100 00	100 00
	Madison	3	846,656	2,060	100 00	100 00
12	Louisville & Nashville—5 counties	17	769,977	53,294	100 00	100 00
	St. Clair	12	671,875	19,063	87 36	35 77
	Gallatin	2	69,306	3,973	9 01	7 45
	Saline	1	16,900		2 20	
	Washington	1	10,953	30,258	1 42	56 78
	Jefferson	1	43		01	

Table 40—Continued.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
13	St. Louis, Iron Mt. & So.—2 counties	12	717,412	1,344	100.00	100.00
	Williamson	11	716,992	1,344	99.94	100.00
	Jackson	1	420	.....	.06	.....
14	Litchfield & Madison—1 county	4	694,886	5,306	100.00	100.00
	Madison	4	694,886	5,306	100.00	100.00
15	Southern Railroad—2 counties	12	693,378	19,211	100.00	100.00
	St. Clair	10	546,759	19,211	78.85	100.00
	Clinton	2	146,619	.....	21.15	.....
16	Vandalia Line—4 counties	9	659,483	13,462	100.00	100.00
	Madison	5	442,407	13,462	67.09	100.00
	St. Clair	1	204,967	.....	31.08	.....
	Macon	2	10,965	.....	1.66	.....
	Bond	1	1,144	.....	.17	.....
17	Mobile & Ohio—3 counties	7	599,177	57,719	100.00	100.00
	Perry	2	347,310	57,719	57.96	100.00
	Randolph	3	168,192	.....	28.07	.....
	Jackson	2	83,675	.....	13.97	.....
18	St. Louis & O'Fallon Electric—1 county ..	2	597,678	3,050	100.00	100.00
	St. Clair	2	597,678	3,050	100.00	100.00
19	Chicago, Peoria & St. Louis—2 counties ..	12	567,594	40,997	100.00	100.00
	Sangamon	6	298,787	38,175	52.64	93.12
	Menard	6	268,807	2,822	47.36	6.88
20	Chicago, Rock Island & Pac.—6 counties ..	13	552,080	51,044	100.00	100.00
	LaSalle	5	244,240	50,460	44.24	98.86
	Mercer	3	179,363	584	32.49	1.14
	Bureau	1	93,079	.....	16.86	.....
	Rock Island	2	14,693	.....	2.66	.....
	Marshall	1	11,063	.....	2.00	.....
	Henry	1	9,643	.....	1.75	.....
21	Iowa Central—2 counties	6	425,979	17,260	100.00	100.00
	Fulton	3	224,856	745	52.78	4.32
	Peoria	3	201,123	16,515	47.22	95.68
22	St. Louis & Belleville Electric—1 county ..	3	384,610	.....	100.00	.....
	St. Clair	3	384,610	.....	100.00	.....
23	Atchison, Top. & Santa Fé—4 counties ...	7	282,089	32,915	100.00	100.00
	Marshall	1	120,589	29,040	42.75	88.23
	Woodford	1	75,954	3,875	26.93	11.77
	LaSalle	1	62,209	.....	22.05	.....
	Grundy	4	23,337	.....	8.27	.....
24	Toledo, Peoria & Western—4 counties	11	282,025	21,160	100.00	100.00
	Fulton	5	175,478	11,787	62.22	55.70
	Peoria	4	92,707	1,980	32.87	9.36
	Livingston	1	6,952	7,393	2.47	34.94
	McLean	1	6,888	.....	2.44	.....

Table 40—Continued.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
25	Chicago, Mil. & St. Paul—2 counties	3	279,445	8,581	100.00	100.00
	Bureau.....	2	154,527	8,406	55.30	97.96
	Putnam.....	1	124,918	175	44.70	2.04
26	Toledo, St. Louis & Western—3 counties..	5	223,057	597	100.00	100.00
	Bond.....	1	110,438	.....	49.51	.....
	Montgomery.....	2	107,004	597	47.97	100.00
	Madison.....	2	5,615	.....	2.52	.....
27	Illinois Southern—1 county	4	210,338	.....	100.00	.....
	Randolph.....	4	210,338	.....	100.00	.....
28	East St. Louis Suburban Elec.—1 county..	2	209,352	2,800	100.00	100.00
	St. Clair.....	2	209,352	2,800	100.00	100.00
29	Chicago & Illinois Midland—1 county.....	1	198,759	1,866	100.00	100.00
	Sangamon.....	1	198,759	1,866	100.00	100.00
30	Cincinnati, Ham. & Dayton—2 counties....	5	173,209	.....	100.00	.....
	Sangamon.....	3	149,155	.....	86.12	.....
	Macon.....	2	24,045	.....	13.88	.....
31	Peoria & Pekin Union—2 counties.....	4	170,972	.....	100.00	.....
	Peoria.....	3	126,320	.....	73.89	.....
	Tazewell.....	1	44,652	.....	26.11	.....
32	Peoria & Pekin Terminal—1 county.....	2	151,676	.....	100.00	.....
	Peoria.....	2	151,676	.....	100.00	.....
33	Toluca, Marquette & Northern—1 county.	1	123,148	.....	100.00	.....
	Marshall.....	1	123,148	.....	100.00	.....
34	Missouri Pacific—1 county.....	1	110,946	307	100.00	100.00
	Franklin.....	1	110,946	307	100.00	100.00
35	Indiana, Illinois & Iowa—1 county	1	99,687	.....	100.00	.....
	Livingston.....	1	99,687	.....	100.00	.....
36	Illinois Terminal—1 county.....	1	81,854	44	100.00	100.00
	Madison.....	1	81,854	44	100.00	100.00
37	Illinois Traction Co. (Electric)—2 counties	3	33,577	.....	100.00	.....
	Vermilion.....	1	27,500	.....	81.90	.....
	Sangamon.....	2	6,077	.....	18.10	.....
38	Wabash, Chester & Western—1 county ...	2	30,290	4,727	100.00	100.00
	Perry.....	2	30,290	4,727	100.00	100.00
39	Lake Erie & Western—2 counties	2	23,133	20,000	100.00	100.00
	McLean.....	1	13,000	20,000	56.20	100.00
	Tazewell.....	1	10,133	.....	43.80	.....
40	Chicago, Indiana & Southern—1 county...	1	20,000	.....	100.00	.....
	LaSalle.....	1	20,000	.....	100.00	.....

Table 40—Concluded.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
41	Galesburg & Great Eastern—1 county.....	1	19,566	600	100.00	100.00
	Knox	1	19,566	600	100.00	100.00
42	Macomb & Western—1 county	1	2,083	.....	100.00	.....
	Schuyler.....	1	2,083	.....	100.00	.....
43	Davenport, R. I. & N. W.—1 county	1	1,156	.....	100.00	.....
	Rock Island.....	1	1,156	.....	100.00	.....
	The State .....	.....	33,096,110	1,035,344	.....	.....

A list of the railroads receiving the output of shipping mines for transportation, arranged as to tonnage hauled, is presented. Ten of these roads received the output from 334 or 79.71 per cent of all the mines, transporting 22,861,747. tons or 69.08 per cent of all the coal shipped from the mines. The list of roads follows:

TABLE 41—Illinois Coal Delivered to Illinois Railroads at the Mines for Shipment and for Use on Locomotives—1906.

Number.	RAILROADS.	NUMBER OF—		TONS DELIVERED TO EACH RAILROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
1	Illinois Central.....	21	112	7,238,773	400,589	7,639,362
2	Wabash.....	9	42	3,241,612	119,962	3,361,574
3	Chicago & Eastern Illinois.....	5	23	2,505,098	10,015	2,515,113
4	Chicago, Burlington & Quincy.....	11	46	2,075,384	17,430	2,092,814
5	Chicago & Alton.....	9	41	1,991,912	.....	1,991,912
6	Cleveland, Cincinnati, Chicago & St. L.....	9	30	1,427,655	60,800	1,488,455
7	Macoupin County R. R.....	1	4	1,186,452	.....	1,186,452
8	Baltimore & Ohio S. W.....	6	18	1,094,658	54,401	1,149,059
9	Elgin, Joliet & Eastern.....	2	12	1,073,478	.....	1,073,478
10	Chicago & Northwestern.....	1	6	1,026,725	13,803	1,040,528
11	St. Louis, Troy & Eastern.....	1	3	846,656	2,060	848,716
12	Louisville & Nashville.....	5	17	769,077	53,294	822,371
13	St. Louis, Iron Mountain & Southern.....	2	12	717,412	1,344	718,756
14	Litchfield & Madison.....	1	4	694,886	5,306	700,192
15	Southern Railroad.....	2	12	693,378	19,211	712,589

Table 41—Concluded.

Number.	RAILROADS.	NUMBER OF—		TONS DELIVERED TO EACH RAILROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
16	Vandalia Line.....	4	9	659,483	13,462	672,945
17	Mobile & Ohio.....	3	7	599,177	57,719	656,896
18	St. Louis & O'Fallon Electric.....	1	2	597,678	3,050	600,728
19	Chicago, Peoria & St. Louis.....	2	12	567,594	40,997	608,591
20	Chicago, Rock Island & Pacific..	6	13	552,080	51,044	603,124
21	Iowa Central.....	2	6	425,979	17,260	443,239
22	St. Louis & Belleville Electric.....	1	3	384,610		384,610
23	Atchison, Topeka & Santa Fé.....	4	7	282,089	32,915	315,004
24	Toledo, Peoria & Western.....	4	11	282,025	21,160	303,185
25	Chicago, Milwaukee & St. Paul.....	2	3	279,445	8,581	288,026
26	Toledo, St. Louis & Western.....	3	5	223,057	597	223,654
27	Illinois Southern.....	1	4	210,338		210,338
28	East St. Louis Suburban Electric.....	1	2	209,352	2,800	212,152
29	Chicago, Illinois Midland.....	1	1	198,759	1,866	200,625
30	Cincinnati, Hamilton & Dayton.....	2	5	173,200		173,200
31	Peoria & Pekin Union.....	2	4	170,972		170,972
32	Peoria & Pekin Terminal.....	1	2	151,676		151,676
33	Toluca, Marquette & Northern.....	1	1	123,148		123,148
34	Missouri Pacific.....	1	1	110,946	307	111,253
35	Indiana, Illinois & Iowa.....	1	1	99,687		99,687
36	Illinois Terminal.....	1	1	81,854	44	81,898
37	Illinois Traction Co. (Electric).....	2	3	33,577		33,577
38	Wabash, Chester & Western.....	1	2	30,290	4,727	35,017
39	Lake Erie & Western.....	2	2	23,133	20,000	43,133
40	Chicago, Indiana & Southern.....	1	1	20,000		20,000
41	Galesburg & Great Eastern.....	1	1	19,566	600	20,166
42	Macomb & Western.....	1	1	2,083		2,083
43	Davenport, Rock Island & Northwestern.....	1	1	1,156		1,156
Total 43 railroads.....				33,096,110	1,035,344	34,131,454

Corresponding to the presentation of the tons contributed to railroads by counties, (Table 40), a table is presented showing the tons of each county as distributed to the railroads carrying the coal to the markets. Sangamon county, with the exception of one year (1899) has held first place in this exhibit, and here takes second place, surrendering to St. Clair county, which was third last year. This list of counties is ar-

ranged according to the largest tonnage supplied to the railroads; Williamson county held second place last year but is third this year; this county contributed the largest number of tons of any one county to any one road for transportation.

The list follows:

TABLE 42—Counties which have Produced the Commercial Coal of the State and the Tonnage Delivered to the Several Railroads in Each for Transportation.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
1	St. Clair.	6			3,796,130
	Illinois Central.	22		772,396	20.35
	Louisville & Nashville.	12		671,875	17.70
	St. Louis & O'Fallon.	2		597,678	15.74
	Southern Railroad.	10		546,769	14.40
	Baltimore & Ohio Southwestern.	6		408,493	10.76
	St. Louis & Belleville Electric.	3		384,610	10.13
	East St. Louis & Suburban Electric.	2		309,352	8.15
	Vandalia.	1		204,987	5.40
2	Sangamon.	8			3,699,547
	Chicago & Alton.	18		1,512,941	41.25
	Wabash.	12		755,081	20.68
	Illinois Central.	8		608,582	16.58
	Chicago, Peoria & St. Louis.	4		298,787	8.14
	Chicago, Illinois Midland.	1		198,759	5.42
	Cincinnati, Hamilton & Dayton.	3		149,155	4.07
	Baltimore & Ohio Southwestern.	4		129,165	3.79
	Illinois Traction Co. (Electric).	2		6,077	.17
3	Williamson.	4			3,694,515
	Illinois Central.	18		1,908,448	52.85
	Chicago & Eastern Illinois.	8		937,988	25.86
	St. Louis, Iron Mountain & Southern.	11		716,892	19.69
	Chicago, Burlington & Quincy.	2		47,187	1.31
4	Maconpin.	4			2,968,090
	Wabash.	12		1,587,981	53.59
	Maconpin County R. R.	4		1,186,452	39.97
	Illinois Central.	1		155,164	5.23
	Cleveland, Cincinnati, Chicago & St. Louis.	2		39,493	1.39
5	Madison.	9			2,797,302
	St. Louis, Troy & Eastern.	2		848,656	30.27
	Litchfield & Madison.	4		694,996	24.84
	Vandalia.	5		442,407	15.81
	Illinois Central.	2		351,566	12.57
	Wabash.	8		199,982	7.14
	Cleveland, Cincinnati, Chicago & St. Louis.	1		180,827	6.48
	Illinois Terminal.	1		81,854	2.93
	Chicago & Eastern Illinois.	1		43,609	1.56
	Toledo, St. Louis & Western.	2		5,615	.20
6	Vermilion.	4			1,749,466
	Chicago & Eastern Illinois.	12		1,400,603	80.06
	Cleveland, Cincinnati, Chicago & St. Louis.	6		203,891	11.65
	Wabash.	3		117,472	6.72
	Illinois Traction Co. (Electric).	1		27,500	1.57
7	Fulton.	3			1,437,593
	Chicago, Burlington & Quincy.	17		1,087,259	75.16
	Iowa Central.	3		224,856	15.64
	Toledo, Peoria & Western.	5		175,479	12.21

Table 42—Continued.

Number	Counties and Railroads	Number of railroads.	Number of mines.	Tons delivered to each railroad	Total tons shipped and per cent to each road.
8 Bureau.....		4			1,400,517
	Chicago & Northwestern.....		6	1,026,725	73.31
	Chicago, Milwaukee & St. Paul.....		2	154,527	11.03
	Chicago, Burlington & Quincy.....		1	126,186	9.01
	Chicago, Rock Island & Pacific.....		1	93,079	6.65
9 Perry.....		3			1,368,478
	Illinois Central.....		18	890,878	70.28
	Mobile & Ohio.....		2	247,310	27.89
	Wabash, Chester & Western.....		2	30,290	2.39
10 LaSalle.....		7			1,136,927
	Chicago, Burlington & Quincy.....		9	410,062	36.07
	Illinois Central.....		4	353,936	31.13
	Chicago, Rock Island & Pacific.....		5	244,240	21.49
	Atchison, Topeka & Santa Fé.....		1	62,209	5.47
	Wabash.....		2	31,490	2.77
	Chicago, Indiana & Southern.....		1	20,000	1.76
	Chicago & Alton.....		1	15,060	1.32
11 Grundy.....		3			1,080,613
	Elgin, Joliet & Eastern.....		11	1,036,977	96.15
	Atchison, Topeka & Santa Fé.....		4	23,337	2.16
	Chicago & Alton.....		4	18,299	1.69
12 Peoria.....		4			694,748
	Peoria & Pekin Union.....		5	277,936	40.60
	Iowa Central.....		3	201,123	29.37
	Chicago, Burlington & Quincy.....		5	112,000	16.49
	Toledo, Peoria & Western.....		4	92,707	13.54
13 Clinton.....		2			677,131
	Baltimore & Ohio.....		4	530,502	78.35
	Southern R. R.....		2	146,619	21.65
14 Christian.....		4			651,920
	Illinois Central.....		5	340,112	46.71
	Wabash.....		1	24,222	45.37
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	20,000	5.94
	Baltimore & Ohio.....		1	13,109	1.98
15 Montgomery.....		3			601,120
	Cleveland, Cincinnati, Chicago & St. Louis.....		3	430,178	73.06
	Toledo, St. Louis & Western.....		2	107,004	17.80
	Wabash.....		2	54,938	9.14
16 Jackson.....		3			587,784
	Illinois Central.....		3	503,680	86.00
	Mobile & Ohio.....		2	83,675	14.24
	St. Louis, Iron Mountain & Southern.....		1	430	.07
17 Marion.....		2			582,557
	Illinois Central.....		6	579,868	99.54
	Baltimore & Ohio.....		2	2,689	.46
18 Randolph.....		3			553,063
	Illinois Southern.....		4	210,338	38.03
	Illinois Central.....		4	174,558	31.56
	Mobile & Ohio.....		3	168,192	30.41

Table 42—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
19 Saline.....		3			550,821
	Cleveland, Cincinnati, Chicago & St. Louis.....		12	491,298	89.19
	Illinois Central.....		1	42,633	7.74
	Louisville & Nashville.....		1	16,900	3.07
20 Menard.....		2			458,070
	Chicago, Peoria & St. Louis.....		6	268,807	58.68
	Chicago & Alton.....		4	189,263	41.31
21 Mercer.....		2			399,828
	Chicago, Burlington & Quincy.....		4	230,466	55.14
	Chicago, Rock Island & Pacific.....		3	179,362	44.86
22 Logan.....		2			363,378
	Illinois Central.....		4	212,890	58.58
	Chicago & Alton.....		2	150,488	41.42
23 Franklin.....		3			356,271
	Chicago & Eastern Illinois.....		2	126,906	35.62
	Missouri Pacific.....		1	110,946	31.14
	Illinois Central.....		1	118,420	33.24
24 Marshall.....		5			347,004
	Toluca, Marquette & Northern.....		1	123,149	35.49
	Atchison, Topeka & Santa Fé.....		1	120,590	34.75
	Illinois Central.....		1	77,304	22.25
	Chicago & Alton.....		1	15,000	4.32
	Chicago, Rock Island & Pacific.....		1	11,063	3.19
25 Livingston.....		4			220,446
	Wabash.....		2	111,087	50.67
	Indiana, Illinois & Iowa.....		1	99,087	45.22
	Toledo, Peoria & Western.....		1	6,952	3.15
	Chicago & Alton.....		1	2,120	.96
26 Macon.....		4			132,445
	Wabash.....		3	82,762	62.49
	Cincinnati, Hamilton & Dayton.....		2	24,045	18.15
	Illinois Central.....		2	14,673	11.05
	Vandalia.....		2	10,965	8.25
27 Putnam.....		1			124,918
	Chicago, Milwaukee & St. Paul.....		1	124,918	100.00
28 Will.....		2			121,732
	Chicago & Alton.....		3	87,291	71.67
	Klein, Juliet & Eastern.....		1	34,441	28.33
29 Miami.....		3			120,062
	Toledo, St. Louis & Western.....		1	100,498	91.53
	Chicago, Burlington & Quincy.....		1	9,060	7.53
	Vandalia.....		1	1,144	.94
30 Tazewell.....		3			114,187
	Cleveland, Cincinnati, Chicago & St. Louis.....		4	39,492	52.02
	Peoria & Rock Island.....		1	44,062	39.11
	Lake Erie & Western.....		1	10,133	8.87
31 Waukegan.....		1			112,172
	Atchison, Topeka & Santa Fé.....		1	75,954	67.71
	Illinois Central.....		1	36,218	32.39

Table 42—Concluded.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
32	Shelby	2	.....	.....	82,553
	Illinois Central		1	59,806	72.45
	Cleveland, Cincinnati, Chicago & St. Louis		1	22,747	27.55
33	Henry	2	.....	.....	82,120
	Chicago, Burlington & Quincy		2	72,477	88.30
	Chicago, Rock Island & Pacific		1	9,643	11.70
34	Gallatin	1	.....	.....	69,306
	Louisville & Nashville		2	69,306	100.00
35	Washington	2	.....	.....	42,953
	Illinois Central		1	32,000	74.50
	Louisville & Nashville		1	10,953	25.50
36	McLean	5	.....	.....	34,231
	Lake Erie & Western		1	13,000	37.98
	Illinois Central		1	11,343	33.14
	Toledo, Peoria & Western		1	6,888	20.12
	Cleveland, Cincinnati, Chicago & St. Louis		1	2,500	7.30
	Chicago & Alton		1	500	1.46
37	Kankakee	1	.....	.....	25,343
	Illinois Central		1	25,343	100.00
38	McDonough	1	.....	.....	22,854
	Chicago, Burlington & Quincy		2	22,854	100.00
39	Knox	1	.....	.....	19,566
	Galesburg & Great Eastern		1	19,566	100.00
40	Rock Island	2	.....	.....	15,849
	Chicago, Rock Island & Pacific		2	14,693	92.71
	Davenport, Rock Island & Northwestern		1	1,156	7.29
41	Stark	1	.....	.....	8,941
	Chicago, Burlington & Quincy		2	8,941	100.00
42	Hancock	1	.....	.....	8,000
	Chicago, Burlington & Quincy		1	8,000	100.00
43	Jefferson	2	.....	.....	2,086
	Chicago & Eastern Illinois		1	2,043	97.94
	Louisville & Nashville		1	43	2.06
44	Schuyler	1	.....	.....	2,083
	Macomb & Western		1	2,083	100.00
45	White	1	.....	.....	720
	Baltimore & Ohio		1	720	100.00
	Total tons shipped—State .....		.....	33,096,110	

The counties of the State from which coal is shipped is next presented; the table is confined to the output of shipping mines only, arranged according to the largest tonnage produced:

TABLE 43—*Counties from which Coal is Shipped, Number of Shipping Mines, Total Output, Tons Shipped, Supplied to Locomotives, Sold to Local Trade and Consumed or Wasted at the Mines.*

Number.	COUNTIES.	Number of mines.	Total tons produced.	DISTRIBUTION—TONS—			Consumed and wasted at the mines.
				Shipped.	Supplied to locomotives at the mines.	Sold to local trade.	
1	Sangamon	35	4,124,722	3,089,547	101,788	189,289	10
2	St. Clair	58	4,071,079	3,796,130	59,475	71,322	1
3	Williamson	32	3,903,104	3,604,515	9,000	140,716	1
4	Macoupin	19	3,225,124	2,968,000	67,784	59,607	1
5	Madison	18	2,968,185	2,797,302	23,316	45,286	1
6	Vermillion	21	1,861,449	1,749,486	31,262	39,354	
7	LaSalle	18	1,536,562	1,136,927	96,160	112,986	1
8	Bureau	8	1,532,793	1,400,517	23,401	27,693	
9	Fulton	23	1,516,568	1,437,583	27,284	16,359	
10	Perry	22	1,433,170	1,268,478	111,821	21,083	
11	Grundy	11	1,143,144	1,080,613		19,451	
12	Christian	8	826,500	661,920	54,742	57,810	
13	Marion	6	826,280	582,557	141,189	55,415	
14	Clinton	6	770,689	677,121	40,130	18,339	
15	Jackson	11	741,796	587,784	40,738	13,737	
16	Peoria	17	723,696	684,748	18,486	4,171	
17	Montgomery	7	648,188	601,120	8,049	25,066	
18	Saline	15	596,080	550,821	18,487	15,111	
19	Randolph	11	572,001	553,083		9,580	
20	Menard	9	530,394	458,070	2,822	37,742	
21	Logan	4	450,127	363,378	25,267	45,315	
22	Mercer	7	431,497	389,828	2,070	11,588	
23	Marshall	3	427,475	347,604	29,040	23,128	
24	Franklin	3	387,230	356,271	614	9,580	
25	Macon	5	366,983	132,445	2,421	123,152	
26	Livingston	4	239,065	220,446	7,393	5,357	
27	McLean	3	152,580	34,231	30,439	60,989	
28	Tazewell	4	142,682	114,187		24,701	

Table 43—Concluded.

Number.	COUNTIES.	Number of mines	Total tons produced.	DISTRIBUTION—TONS—			
				Shipped.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mines.
29	Woodford	2	136, 574	112, 172	3, 875	12, 224	8, 303
30	Will	4	135, 359	121, 792	.....	8, 366	5, 201
31	Putnam	1	135, 004	124, 918	175	3, 753	6, 158
32	Bond	2	130, 521	120, 662	.....	3, 370	6, 489
33	Shelby	2	116, 141	82, 553	13, 317	13, 366	6, 905
34	Washington	2	93, 796	42, 953	30, 258	15, 543	5, 042
35	Henry	3	92, 412	82, 120	.....	6, 992	3, 300
36	Gallatin	2	90, 264	69, 306	3, 973	12, 943	4, 042
37	Kankakee	1	28, 419	25, 343	.....	1, 076	2, 000
38	McDonough	2	23, 133	22, 854	.....	.....	279
39	Knox	1	20, 466	19, 566	600	300	.....
40	Jefferson	1	20, 292	2, 086	9, 969	7, 046	1, 191
41	Rock Island	3	20, 059	15, 849	.....	3, 660	550
42	Stark	2	13, 841	8, 941	.....	4, 500	400
43	Hancock	1	8, 400	8, 000	.....	400	.....
44	White	1	6, 585	720	.....	5, 385	480
45	Schuyler	1	2, 533	2, 083	.....	.....	450
Totals		419	37, 122, 811	33, 096, 110	1, 035, 344	1, 393, 751	1, 597, 606

DAYS OF ACTIVE OPERATION, BY DISTRICTS

The following table presents the days of active operation of the mines of the State reduced to districts:

TABLE 44—*Days of Active Operation, by Districts.*

District.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
First	72	7,091	182.05	34	6,768	205.38	38	323	161.45
Second	142	6,293	168.80	22	5,663	201.09	120	630	162.91
Third.....	129	3,623	162.19	29	3,057	205.03	100	566	149.77
Fourth.....	175	3,845	152.97	33	3,261	191.93	142	584	144.68
Fifth.....	66	3,997	198.34	26	3,683	192.90	40	314	201.36
Sixth.....	83	7,856	175.05	49	7,646	180.97	34	210	162.22
Seventh.....	71	6,895	185.74	36	6,621	175.24	35	274	196.21
Eighth.....	121	8,633	188.10	78	8,334	187.35	43	299	189.40
Ninth	62	6,380	181.24	52	6,324	182.75	10	56	174.00
Tenth	97	7,670	160.73	60	7,494	188.71	37	176	124.11
The State.....	1,018	62,283	171.95	419	58,851	189.60	599	3,432	160.31

The showing is for all mines, also shipping and local mines, separately. Considering the shipping mines, where 94.5 per cent of the men are employed, it will be seen that the days of activity ranged from 175.24 in the seventh district to 205.38 in the first; bringing the average of these mines to 189.6 days for the State. The average for the State last year was 198.5 days; this shows a decline of only nine days. In view of the almost complete suspension of operations during the months of April and May, this inconsiderable decline can be accounted for by the unquestionable increased activity prevailing at all of the mines during the five or six months just previous to the first of April.

The following table presents the record, as to days of operation, of the three different classifications of the mines for the past 14 years:

TABLE 45—*Days of Active Operation, for a Series of 14 Years.*

YEAR.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
1893.....	788	35,390	229.6	310	28,737	229.6	478	6,653	161
1894.....	836	38,477	183.1	319	31,243	183.1	517	7,234	157
1895.....	874	38,630	182.2	319	31,174	182.2	555	7,456	155
1896.....	901	37,032	186.0	330	28,185	186.0	571	8,847	159
1897.....	853	33,788	185.5	310	31,322	185.5	543	2,466	167.1
1898.....	881	35,026	156.8	329	32,297	174.7	552	2,729	156.8
1899.....	889	36,991	174.6	323	34,307	205.7	566	2,684	175
1900.....	920	39,384	182.6	323	36,298	214.0	597	3,084	166.4
1901.....	915	44,143	174.3	331	40,940	204.4	584	3,217	157
1902.....	915	46,005	179.5	332	42,807	210.2	583	3,198	161.9
1903.....	933	49,814	192.1	353	46,494	221.8	580	3,320	170.7
1904.....	932	54,774	197.9	380	51,384	213.3	552	3,390	184.9
1905.....	990	59,230	173.7	397	55,743	198.5	593	3,487	158
1906.....	1,018	62,283	172.0	419	58,851	189.6	599	3,432	160.3

Observing only the shipping mines, it will be seen that for five years from 1893 to 1899, the industry declined in activity from an average of 229.6 days to 174.7 for 1898. The six years following, the increase in days of operation was from 12 to 27 per cent, when in 1905 a marked decline is shown, followed by the further reduction for this year. Reference to the days of efficiency of each of the individual mines may be found in the county and district tables in the reports of the several inspectors.

AVERAGE VALUE OF COAL.

The average value of the different grades of coal per ton at the mines is found by dividing the aggregate amount of the sales of each grade by the tons sold. This average, reported by the operators, is applied to the total tons sold, and by proper and continuous application the averages of each grade are found for the counties, the districts and finally for the State. By reference to the county tables, in the reports of the inspectors, may be found the average values at each mine.

The following tables give the total tons of each grade and the average value per ton of the different grades of coal.

TABLE 46—Total Tons and Average Value per Ton of the Different

DISTRICT.	ALL GRADES.		MINE-RUN COAL.		LUMP COAL.	
	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
First	2,843,504	\$1.412	271,570	\$1.526	1,582,086	\$1.642
Second	2,087,227	1.401	165,762	1.414	1,487,798	1.604
Third	1,675,654	1.29	428,920	1.222	870,967	1.591
Fourth	1,843,293	1.153	289,146	1.196	767,033	1.478
Fifth	2,128,332	1.021	1,516,259	0.991	373,024	1.313
Sixth	5,097,776	0.975	1,410,178	0.966	2,247,470	1.221
Seventh	4,815,953	0.982	875,391	0.959	2,587,111	1.189
Eighth	7,189,785	0.866	1,633,064	0.846	3,627,834	1.07
Ninth	4,110,043	0.927	1,368,010	0.954	1,377,735	1.155
Tenth	5,331,244	0.934	1,477,316	0.926	1,224,557	1.284
Shipping mines.....	37,122,811	\$1.029	9,435,616	\$0.983	16,145,615	\$1.292
Local mines	1,194,770	\$1.56	342,289	1.441	732,473	\$1.739

* Based on 1,064,857 tons.

For the shipping mines the average value of mine run coal per ton values range from \$1.526 in the first to 84.6 cents in the eighth, a difference of 68 cents, the State, varying from \$1.642 in the first district to \$1.07 in the eighth; the value per ton of the two grades of coal are both in favor of the shipping mines.

The total tons of all grades of coal with the average values per ton

TABLE 47—Total Tons and Average Value per Ton of the Different

YEARS AND CHARACTER OF MINES.	ALL GRADES.		MINE-RUN COAL.		LUMP COAL.	
	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
1900—All mines.....	25,153,929	\$0.895	5,554,418	\$0.794	13,927,899	\$1.10
1901—All mines.....	26,635,319	0.954	6,882,740	0.919	13,321,124	1.181
1902 { Shipping.....	28,824,750	0.942	6,752,680	0.90	14,198,500	1.173
	Local	1.38	233,524	1.174	843,173	1.542
1903 { Shipping.....	33,676,537	1.032	9,897,087	0.982	15,169,856	1.275
	Local	1.521	476,011	1.405	704,653	1.713
1904 { Shipping.....	35,779,517	1.083	10,269,285	1.019	16,097,003	1.388
	Local	1.577	358,619	1.363	791,007	1.826
1905 { Shipping.....	35,956,543	1.021	8,784,202	1.032	16,097,774	1.274
	Local	1.612	464,356	1.627	721,547	1.657
1906 { Shipping.....	37,122,811	1.029	9,435,616	0.983	16,145,615	1.292
	Local	1.56	342,289	1.441	732,473	1.739

age value per ton by districts:

Grades of Coal at the Shipping and Local Mines, by Districts—1906.

EGG COAL.		NUT COAL.		PEA COAL.		SLACK COAL.	
Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
272,527	\$1.085	90,338	\$1.333	566,508	\$0.60	60,480	.....
7,716	1.70	5,302	1.367	359,531	0.673	61,118	\$0.703
38,970	1.63	49,656	1.080	241,788	0.487	45,353	0.389
268,117	1.333	64,626	1.142	369,698	0.497	84,673	0.373
45,356	1.144	59,796	1.085	129,085	0.548	4,802	0.564
136,701	1.048	190,528	0.998	918,156	0.514	194,743	0.329
74,771	1.236	234,861	1.06	935,476	0.468	108,343	0.31
202,869	1.11	263,589	0.76	1,270,030	0.392	192,399	0.157
257,407	1.141	279,115	0.994	694,265	0.479	133,511	0.144
545,893	1.219	674,252	0.976	1,052,400	0.571	356,826	0.358
1,850,327	\$1.278	1,912,063	\$0.991	6,536,942	\$0.504	1,242,248	* \$0.318
100	\$1.00	19,925	\$1.063	85,145	\$0.819	14,838	\$0.392

for the State, the past year, is found to be 98.3 cents; by districts the difference of 68 cents. For lump coal the value was \$1.292 per ton, for here is found a difference of 57 cents. These remarkable differences in northern field.

for a series of seven years is shown in the following tables:

Grades of Coal at the Mines, both Shipping and Local, for Seven Years.

EGG COAL.		NUT COAL.		PEA COAL.		SLACK COAL.	
Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
495,637	\$0.94	1,323,582	\$0.695	2,811,520	\$0.418	1,040,874	\$0.221
486,596	1.086	1,217,127	0.808	3,667,591	0.436	1,060,141	0.269
677,079	1.022	1,562,659	0.764	4,542,277	0.471	1,091,055	0.228
3,906	1.478	23,797	1.10	61,455	0.576	30,695	0.322
992,378	1.269	1,741,393	0.946	4,478,396	0.527	1,397,437	0.307
2,785	1.577	14,311	1.089	62,045	0.704	19,058	0.272
1,008,672	1.388	1,581,222	1.044	5,650,639	0.56	1,172,696	0.331
6,028	1.718	21,161	1.442	100,931	0.647	20,634	0.429
1,716,111	1.237	2,028,346	0.864	6,219,756	0.479	1,110,354	0.301
108	1.315	7,806	0.984	27,755	0.633	5,259	0.243
1,850,327	1.278	1,912,063	0.991	6,536,942	0.504	1,242,248	0.318
100	1.00	19,925	1.063	85,145	0.819	14,838	0.392

For the two years, 1900 and 1901, there was no division or separation made of the tonnage of shipping and local mines, therefore the values given for those two years are for the tonnage of all mines. Directing attention to the values for the past five years for shipping mines, it is found that for mine run coal the highest average, \$1,032, was reached in 1905, the lowest, 90 cents, being for the year 1902; for lump coal the highest value, \$1.388, is shown for 1904, the lowest, \$1.173, for 1902; this grade of coal for the past year shows a larger tonnage than for several years. The grade known as egg coal has increased in tonnage from 495,637 in 1900 to 1,850,327 this year, or 273.32 per cent. The value per ton the past year was \$1.278, being only 1.4 cents less than lump coal.

The total tons and average value per ton of lump coal has been shown each year for the past 25 years, and is again presented in the following table:

TABLE 48—Average Value of Lump Coal per Ton at the Mine, for a Series of 25 Years, 1882-1906.

Year.	Tons of lump coal produced.	Average value per ton.	Year.	Tons of lump coal produced.	Average value per ton.
1882.....	9, 115, 653	\$1.51	1895.....	14, 045, 962	\$0.932
1883.....	10, 030, 991	1.48	1896.....	13, 990, 924	0.899
1884.....	10, 101, 005	1.26	1897... ..	14, 672, 241	0.852
1885.....	9, 791, 874	1.17	1898.....	14, 208, 795	0.918
1886.....	9, 246, 435	1.10	1899.....	16, 008, 109	0.9186
1887.....	10, 278, 890	1.085	1900.....	13, 927, 899	1.099
1888.....	11, 855, 188	1.123	1901.....	13, 321, 124	1.181
1889.....	11, 597, 963	1.078	1902.....	*14, 198, 500	1.173
1890.....	12, 638, 364	1.019	1903.....	*15, 169, 856	1.275
1891.....	12, 900, 224	1.008	1904.....	*16, 097, 003	1.388
1892.....	14, 730, 963	1.029	1905.....	*16, 097, 774	1.274
1893.....	16, 112, 899	1.025	1906.....	*16, 145, 615	1.292
1894.....	13, 865, 284	1.009			

*Shipping mines.

The several grades of coal, the output of shipping mines, is shown in percentages in the following table for five years:

TABLE 49—Percentages of the Different Grades of Coal of Shipping Mines for Five Years.

YEAR.	PERCENTAGES OF—					
	Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.
1902.....	23.43	49.23	2.35	5.45	15.76	3.78
1903.....	29.39	45.05	2.95	5.17	13.29	4.15
1904.....	28.66	45.55	2.74	4.32	15.51	3.22
1905.....	24.43	44.77	4.77	5.64	17.30	3.09
1906.....	25.42	43.49	4.98	5.15	17.61	3.35

MINE EMPLOYES.

The number of employés classified as to location of occupation is shown in the following table by districts:

TABLE 50—Classification of Employés in the Shipping Mines, by Districts, with the Employés of Local Mines.

DISTRICTS.	ALL EMPLOYES UNDERGROUND.				Above ground.	Total.
	Miners.	Other employés.	Boys.	Total.		
First.....	4,838	1,181	206	6,225	543	6,768
Second.....	4,179	972	108	5,259	404	5,663
Third.....	2,225	466	80	2,771	286	3,057
Fourth.....	2,342	604	24	2,970	291	3,261
Fifth.....	2,482	834	116	3,432	251	3,683
Sixth.....	5,211	1,528	203	6,942	704	7,646
Seventh.....	4,365	1,348	216	5,929	692	6,621
Eighth.....	5,586	1,701	192	7,479	855	8,334
Ninth.....	4,127	1,164	150	5,441	883	6,324
Tenth.....	4,779	1,526	199	6,504	990	7,494
Total.....	40,134	11,324	1,494	52,952	5,899	58,851
Local mines.....	2,786	281	5	3,072	360	3,432
The State.....	42,920	11,605	1,499	56,024	6,259	62,283

The whole number is shown to be 62,283; this is an increase of 5 per cent over last year. Of the total number employed, 94.5 per cent work

in the shipping mines. Comparing the number of employés at the shipping mines by location, as to the coal field, it is found that the northern field, comprising the first, second, third and fourth districts, gave employment to 31.86 per cent of the whole number; the central field, or the fifth, sixth and seventh districts, 30.5 per cent; and the southern field, or the eighth, ninth and tenth districts, 37.64 per cent.

This grouping of the whole number of employés for each year, divided as to location of employment in and about the mnies, is shown for a series of eight years, in the following table:

TABLE 51—*Classification of Employés in all Mines for Eight Years.*

YEAR.	ALL EMPLOYES UNDERGROUND.				Above ground.	Aggregate.
	Miners.	Other employés.	Boys.	Total.		
1899.....	26,449	5,455	1,295	33,199	3,792	36,991
1900.....	27,875	6,047	1,281	35,203	4,181	39,384
1901.....	30,829	7,595	1,326	39,750	4,393	44,143
1902.....	32,875	7,273	1,397	41,518	4,487	46,005
1903.....	34,904	8,523	1,276	44,703	5,111	49,814
1904.....	37,987	9,812	1,562	49,361	5,413	54,774
1905.....	41,202	10,694	1,540	53,436	5,794	59,230
1906.....	42,920	11,605	1,499	56,024	6,259	62,283

To illustrate the rapid growth in the employment of laborers in the coal mines of the State, it is here shown that the number of miners proper has increased during these years 16,471 or 62.27 per cent; the number of other employés under ground from 5,455 in 1899 to 11,605 this year, an increase of 6,150 or 112.75 per cent. In contradistinction the number of boys employed, as reported this year, is less than for either of the two previous years; the increase in the employment of boys during the eight years has been only 15.75 per cent.

In order to preserve a condensed record of the number of employes, by districts, as the State is now and has been divided, the following table presents the totals for 24 years:

TABLE 52—*Employés in Coal Mines of the State for a Series of Twenty-four Years, by Districts.*

YEARS.	DISTRICTS.										The State.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	
1873	7,566	3,211	4,070	4,417	4,675						23,939
1884	8,013	3,311	5,018	4,781	4,147						25,575
1885	7,463	3,391	5,213	4,958	4,429						25,464
1886	7,613	3,599	4,970	5,197	4,567						25,846
1887	7,915	4,068	4,903	4,934	4,984						26,804
1888	8,623	4,914	5,350	5,086	5,537						29,410
1889	9,014	4,489	5,117	5,579	5,764						30,076
1890	8,258	4,099	5,171	5,685	5,361						28,574
1891	9,128	5,099	6,458	5,981	6,395						32,951
1892	9,572	4,865	6,458	6,542	6,200						33,632
1893	8,831	5,974	6,964	7,021	6,780						35,390
1894	10,260	6,713	7,112	7,760	6,621						38,477
1895	9,644	7,184	8,007	8,005	7,180						38,630
1896	9,380	7,108	2,134	4,487	5,758	4,374	3,816				37,082
1897	7,682	6,872	1,835	4,021	5,672	4,100	3,856				33,788
1898	7,277	6,799	1,800	4,030	6,093	4,662	4,265				35,026
1899	7,496	6,631	1,799	4,655	6,401	5,009	4,999				36,991
1900	7,722	5,693	3,864	5,545	5,963	5,865	4,692				39,384
1901	7,872	6,306	3,760	6,950	6,837	6,671	5,547				44,143
1902	8,035	6,583	4,296	5,679	7,564	7,929	5,947				45,005
1903	7,717	6,660	4,362	6,771	8,393	8,354	7,356				49,614
1904	8,039	7,382	4,806	7,293	9,541	9,685	8,087				54,774
1905	8,157	7,761	5,897	7,441	10,175	10,636	9,663				59,280
1906	7,001	6,293	8,623	3,845	8,997	7,856	6,895	8,633	8,890	7,670	62,383

Previous to the year 1897 the greatest number employed at any one time during each year has been returned; since that year the average number employed has been reported; this accounts for the falling off in number to be noticed in 1897. Since that year a gradual increase is noted; for the ten years last past, the increase in the number employed has been 28,495 or 84.33 per cent.

PRICES PAID FOR MINING.

In computing the prices paid for mining during the past year, the agreed scale of prices, between the miners and operators, ending April 1, 1906, has been used for the entire tonnage of output for the twelve months covered by this report, as substantially the total product of the mines was mined under the contract expiring March 31, 1906, and during the nine months ending the same date. The following table presents the record for the year by districts:

TABLE 53—*Average Price Paid for Mining by Hand and with Machine, at Shipping and Local Mines, by Districts—1906.*

DISTRICTS.	MINING BY HAND.				MACHINE MINING.	
	SHIPPING MINES.		LOCAL MINES.		Tons.	Price per ton.
	Tons.	Price per ton.	Tons.	Price per ton.		
First	2,843,504	\$0.7843	92,826	\$1.0334	.....	.....
Second	2,087,227	0.7454	224,267	0.9478	.....	.....
Third	1,662,709	0.6784	193,369	0.6773	12,945	\$0.79
Fourth	1,843,293	0.6066	183,090	0.8167	.....	.....
Fifth	*1,893,266	0.5315	†154,686	0.5491	235,046	0.4913
Sixth	4,617,063	0.5254	62,831	0.6118	480,713	0.45
Seventh	1,856,917	0.5305	55,240	1.1488	2,965,935	0.45
Eighth	3,489,115	0.52	140,308	0.5702	3,700,670	0.45
Ninth	2,912,741	0.4982	22,596	0.5056	1,197,302	0.414
Tenth	4,360,625	0.4583	58,658	0.5772	970,619	0.396
The State	27,566,480	\$0.5702	1,187,871	\$0.7615	9,563,230	\$0.442

* 25,500 tons paid for by the day.

† 6,400 tons paid for by the day.

‡ This includes loading, brushing, etc.

The total output of coal mined by hand in both the shipping and local mines was 28,754,351 tons; of this quantity 27,566,480 tons or 95.87 per cent is the product of the shipping mines, and was paid for at the level rate for the State of 57.02 cents per ton; this rate is derived from rates ranging from 45.83 cents in the tenth district to 78.43 in the first. Referring to the Bureau's report for the year 1898, it is found that the rate for hand mining for the State was 44.09 cents per ton; that year this rate was based on 78.27 per cent of the total output of the State. The difference between the price paid in 1898 and for the past year is 12.93 cents. Machine mining this year shows 44.22 cents as the rate for the State, with the largest tonnage cut ever reported for any year; the price for the State in 1898 was 31.37 cents, with about one-third of the tons of the past year. The cutting of coal by machines the past year prevailed largely in the seventh, eighth and ninth districts, 82.23 per cent of the total tons cut was reported from these districts.

The record of the average prices paid for both hand and machine mining, with the total tons for the past six years, is shown in the following table:

TABLE 54—*Total Tonnage and Average Prices Paid for Hand and Machine Mining for a Series of Six Years—1901-1906.*

YEARS.	HAND MINING.		MACHINE MINING.	
	Tons.	Price per ton.	Tons.	Price per ton.
1901.....	20, 172, 779	\$0.564	5, 774, 639	\$0.412
1902.....	22, 186, 812	0.564	6, 647, 086	0.395
1903.....	26, 042, 014	0.57	7, 646, 777	0.434
1904.....	28, 648, 682	0.593	7, 130, 835	0.466
1905.....	27, 762, 968	0.578	8, 193, 575	0.443
1906.....	27, 566, 480	0.57	9, 563, 230	0.442

These figures represent shipping mines only.

PAYMENT OF WAGES.

Semi-monthly payments of wages, to coal mine employés, has now become almost universal in this State. The following table presents the statistics for the year:

TABLE 55—*Frequency of the Payment of Wages at Shipping and Local Mines, by Districts—1906.*

DISTRICT.	PAYMENTS MADE.								
	WEEKLY.			SEMI-MONTHLY.			MONTHLY.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....				34	6, 768	2, 843, 504			
Second.....	2	22	7, 420	19	5, 612	2, 068, 727	1	29	11, 080
Third.....				29	3, 057	1, 675, 654			
Fourth.....	1	12	8, 400	32	3, 249	1, 834, 893			
Fifth.....				26	3, 683	2, 128, 332			
Sixth.....				49	7, 646	5, 097, 776			
Seventh.....				36	6, 621	4, 815, 953			
Eighth.....				78	8, 334	7, 189, 785			
Ninth.....				52	6, 324	4, 110, 043			
Tenth.....				60	7, 494	5, 331, 244			
Shipping mines..	3	34	15, 820	415	58, 788	37, 095, 911	1	29	11, 080
Local mines.....	232	1, 079	318, 218	366	2, 315	861, 177	1	38	15, 375
The State.....	235	1, 113	334, 038	781	61, 103	37, 957, 088	2	67	26, 455

About 98 per cent of all employés in and around the coal mines of the State received their wages twice a month the past year. At the shipping mines, practically the entire force of employés were paid semi-monthly.

The following table presents the percentages of all mines, men and tons, arranged according to the frequency of the payments of wages, for a series of 14 years:

TABLE 56—*Percentages of Mines, Men and Tons in Reference to Payment of Wages for a Series of Fourteen Years.*

YEAR.	WAGES PAID WEEKLY.			WAGES PAID SEMI-MONTHLY.			WAGES PAID MONTHLY.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	67	27.6	28.2	25	56	56.4	8	16.4	23.4
1894.....	43	11.7	9.7	46	66.6	67.2	11	21.7	23
1895.....	31	6.5	4.2	57	78.3	74.4	12	1.52	21.4
1896.....	49	7.8	5.3	37.5	74.6	12	12	17.6	21.2
1897.....	46.78	6.91	4.34	39.04	74.60	73.71	14.18	18.4	21.9
1898.....	32.23	5.36	4.99	62.32	90.25	89.78	5.45	4.38	5.23
1899.....	24.75	4.67	3.04	71.54	93.02	95.75	3.71	2.31	2.21
1900.....	33	4.12	2.57	64.8	95.04	96.84	2.2	.48	.59
1901.....	28.85	2.79	1.44	70.60	97.03	98.44	.55	.18	.12
1902.....	47	4.55	1.84	52.13	95.12	98.06	.87	.33	.1
1903.....	27.76	2.63	1.10	71.70	97.14	98.78	.54	.23	.12
1904.....	34.22	3.23	1.86	65.35	96.65	98.07	.43	.12	.07
1905.....	21.72	1.85	.82	78.08	98.03	99.11	.20	.12	.07
1906.....	23.08	1.79	.87	76.72	98.10	99.06	.20	.11	.07

EARNINGS OF MINERS.

For several years the earnings of coal miners as a class have been presented in these reports; these computations are based on the tons of shipping mines where coal is mined exclusively by hand and paid for by the ton.

Following table presents the figures for the year by districts, and for the five previous years:

—Earnings of Coal Miners, Hand Mining, in Shipping Mines for the Year Ended June 30, 1906, by Districts.

Districts.	Number of miners	Average days worked	Total tons mined	Average rate per ton	Gross earnings	Average tons per man per year.	Average earnings per man per year.	Average tons per man per day.	Average earnings per man per day.
...	4,838	205.38	2,843,504	\$0.7843	\$2,230,180	587.74	\$460.97	2.86	\$2.34
..	4,179	201.09	2,097,227	0.7454	1,555,819	499.46	372.29	2.48	1.85
. . .	2,192	206.03	1,032,709	0.6794	1,127,962	759.54	514.59	3.70	2.51
. . .	2,342	191.99	1,842,293	0.8068	1,122,197	787.06	479.18	4.10	2.50
. . .	1,606	192.90	1,341,441	0.6815	712,976	849.91	420.39	4.41	2.18
. . .	4,746	180.97	4,612,617	0.5254	2,423,468	971.90	513.74	5.37	2.83
..	1,967	175.24	1,763,554	0.5305	985,465	944.59	501.05	5.39	2.86
...	2,888	187.35	3,419,814	0.52	1,778,043	1,204.83	626.51	6.43	3.34
. . .	2,898	182.75	2,654,282	0.4982	1,322,363	916.80	456.90	5.01	2.50
..	3,146	188.71	3,401,004	0.4582	1,558,680	1,081.06	495.45	5.20	2.63
e	20,742	189.60	25,629,945	\$0.5702	\$14,767,153	833.68	\$480.36	4.40	\$2.54
...	31,185	198.49	26,566,481	\$0.5782	\$15,353,029	851.90	\$492.32	4.29	\$2.48
. . .	28,717	213.3	27,091,501	0.5999	16,233,969	943.29	565.30	4.42	2.65
. . .	25,878	224.1	24,455,228	0.5699	14,043,280	944.63	542.87	4.22	2.42
. . .	24,229	209.9	20,616,155	0.5645	11,638,120	850.88	480.34	4.06	2.29
. . .	22,206	208.0	18,227,130	0.5690	10,372,670	821.00	467.11	4.04	2.30

MACHINE MINING.

Machine mining for the past year is shown in the following table by districts:

TABLE 58—Machine Mining—Mines, Men, Machines, Tons, by Districts—1906.

DISTRICTS.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
Third.....	1	33	3	12,945				1	3	12,945
Fifth.....	1	90	12	74,398	4	39	190,738	5	51	235,046
Sixth.....	1	265	12	244,000	2	15	236,704	3	27	480,713
Seventh.....	19	2,255	200	2,810,400	2	17	155,475	21	286	2,965,985
Eighth.....	23	2,140	237	2,869,256	7	84	831,414	30	321	3,700,670
Ninth.....	7	912	101	1,098,876	4	28	98,426	11	129	1,197,302
Tenth.....	5	442	51	528,682	9	94	441,937	14	145	970,619
The State.....	57	6,137	685	7,098,536	28	277	1,924,094	85	962	9,563,290

No machine mining was reported from the first, second and fourth districts. Of the mines using machines exclusively in producing the output 42 or 73.7 per cent are located in the seventh and eighth districts; employing 71.61 per cent of the men, and 73.87 per cent of the machines, producing 74.35 per cent of the tons.

The record of the use of machines in the coal mines of the State is presented for a series of seven years in the following table:

TABLE 59—Machine Mining—Mines, Men, Machines, Tons, for Seven Years.

MINES IN WHICH MACHINES ARE USED.										
YEAR.	EXCLUSIVELY.			IN PART.			TOTAL.			
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
1900.....	32	2,883	272	3,765,091	29	158	1,817,993	67	430	5,583,594
1901.....	39	3,490	260	3,761,270	34	184	2,015,369	63	464	5,776,639
1902.....	34	4,811	300	4,460,035	39	156	2,037,098	64	464	6,497,123
1903.....	33	4,378	302	4,393,052	35	239	3,253,725	68	522	7,646,777
1904.....	40	3,691	400	4,903,184	27	293	2,237,343	67	623	7,140,427
1905.....	32	4,635	360	6,406,571	34	224	1,735,435	76	784	8,202,006
1906.....	57	6,137	685	7,098,536	28	277	1,924,094	85	962	9,563,290

The kinds of machines in use during the past year is shown in the following table, by districts:

TABLE 60—Name and Number of Mining Machines in Use, by Districts—1906.

Districts.	Sullivan.	Harrison.	Ingersoll-Sergeant.	Goodman	Herzler and Henninger.	Jeffrey.	Morgan-Gardner.	Yock.	Lee.	Total.
Third. ....	..	..	..	..	..	..	..	..	3	3
Fifth.	21	30	..	..	..	..	..	..	..	51
Sixth... ..	..	..	..	13	..	3	11	..	..	27
Seventh	60	118	58	17	..	..	12	1	..	286
Eighth.	108	52	53	19	34	18	1	6	..	321
Ninth.....	21	14	35	30	1	5	4	11	..	129
Tenth.....	85	30	20	3	..	7	..	..	..	145
The State... ..	315	244	197	82	35	33	28	25	3	963

The Sullivan machine outnumbers all others in this respect, displacing the Harrison machine, for the first time in the record of mining machines in this State.

The name and number of machines in use in mines for a series of seven years is shown in the following table:

TABLE 61—Name and Number of Mining Machines in Use for Six Years.

	Sullivan.	Harrison.	Ingersoll-Sergeant.	Goodman	Herzler & Henninger.	Jeffrey.	Morgan-Gardner.	Yock.	Lee.	Link Belt.	Butler	Total.
1900.....	40	197	119	..	1	30	19	5	..	19	..	430
1901	33	178	122	..	13	33	32	24	..	19	..	464
1902.....	36	160	133	29	20	32	22	..	..	3	2	465
1903	63	178	95	15	33	50	16	31	..	21	2	522
1904.....	131	210	142	29	23	29	27	27	..	4	2	633
1905.....	183	236	178	49	40	41	19	33	..	4	1	784
1906.....	315	244	197	82	35	33	28	25	3	..	..	962

The total number of machines reported in use the past year is 962; this is 178 more than last year, and 532 more than reported for the year 1900. One new machine, the Lee, appears in the list this year, and is reported in use at a mine of the Third Vein Coal Company, at Mapleton, Peoria county; this mine has a seam of coal 4 feet 6 inches.

Following is a list of 57 mines with location, in which machines are used exclusively, giving the number and names of machines, and the tons undercut:

TABLE 62—*Mines in which Machines are Used Exclusively.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Superior Coal Co., No. 1	Gillespie	36	Ingersoll-Sergeant.....	480, 259
2	Superior Coal Co., No. 2	do.....	37	Sullivan	457, 863
3	Mt. Olive & Staunton Coal Co., No. 2.	Staunton.....	8	6 Goodman	349, 455
				2 Jeffrey	
4	Mt. Olive & Staunton Coal Co., No. 1.	do.....	9	6 Jeffrey	324, 232
				3 Sullivan	
5	Donk Bros. Coal & Coke Co., No 2.	Maryville	30	Sullivan	284, 235
6	Willis Coal & Mining Co	Willisville	11	6 Goodman	272, 755
				5 Sullivan	
7	St. Louis & O'Fallon Coal Co., No. 2	East St. Louis	15	Sullivan	251, 515
8	Consolidated Coal Co., No. 15.....	Mt. Olive.....	32	16 Sullivan.....	244, 750
				6 Harrison	
9	Chicago, Wil. & Vermilion Coal Co.	Thayer.....	12	11 Morgan-Gardner	244, 000
				1 Goodman.....	
10	Zeigler Coal Co.....	Zeigler.....	12	7 Goodman	238, 654
				5 Ingersoll-Sergeant	
11	Illinois Collieries Co., No. 1	Virden	11	Goodman	234, 922
12	Lumaghi Coal Co., No. 2.....	Collinsville	27	Sullivan	218, 414
13	Consolidated Coal Co., No. 17.....	do.....	18	Harrison	212, 626
14	Consolidated Coal Co., No. 14.....	Staunton.....	18	Sullivan	206, 848
15	Trenton Coal Co.....	Trenton	22	Ingersoll-Sergeant	193, 156
16	New Staunton Coal Co.....	Livingston.....	4	Goodman	185, 490
17	Midland Coal Co., No. 5	Mt. Olive.....	17	Ingersoll-Sergeant	184, 407
18	Consolidated Coal Co., No. 8.....	do.....	19	Harrison	182, 927
19	Big Muddy Coal & Iron Co., No. 8..	Clifford.....	16	Sullivan	180, 450
20	Consolidated Coal Co., No. 10.....	Mt. Olive.....	19	18 Harrison	172, 827
				1 Yock	
21	Hillsboro Coal Co	Hillsboro	7	Morgan-Gardner.....	172, 512
22	Carterville Dist. Coal Co., No. 1....	Marion	12	Sullivan	163, 978
23	Consolidated Coal Co., No. 6.....	Staunton.....	18	Harrison	155, 415
24	Superior Coal & Mining Co	Belleville	12	Herzler & Henninger.....	148, 900
				18 Yock	
25	Southern Coal Co	New Baden	25	3 Ingersoll-Sergeant....	125, 405
				2 Sullivan	
				1 Harrison	
				1 Herzler & Henninger	
26	Odin Coal Co	Odin	8	4 Goodman	121, 653
				4 Jeffrey	

Table 62—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
27	Big Muddy Coal & Iron Co.....	Murphysboro .	14	Harrison	120, 313
28	Consolidated Coal Co , No. 7.....	Staunton.....	21	..do.....	107, 602
29	Dering Coal Co.....	W. Frankfort.	20	{ 11 Harrison	102, 419
				5 Ingersoll-Sergeant...	
				3 Sullivan.....	
				1 Jeffrey	
30	Southern Coal & Mining Co., No. 1.	Belleville	11	{ 7 Sullivan	101, 907
				4 Herzler & Henninger .	
31	Lumaghi Coal Co., No. 3.....	Collinsville ...	11	Sullivan	89, 736
32	Southern Coal & Mining Co., No. 2.	Belleville	6	Herzler & Henninger.....	87, 362
33	Consolidated Coal Co., Green Mt...	Collinsville ...	8	Harrison	77, 731
34	Southern Coal & Mining Co., No. 8.	Belleville	7	{ 5 Jeffrey	77, 474
				1 Goodman.....	
35	Consolidated Coal Co., Heinz Bluff.	Collinsville ...	10	{ 1 Morgan-Gardner	77, 468
				Harrison	
36	Manufacturers & Consumers' C. Co.	Decatur	12	..do.....	74, 306
37	Superior Coal Co., No. 3.....	Gillespie.....	6	{ 3 Ingersoll-Sergeant....	66, 534
				3 Sullivan	
38	Breeze-Trenton Coal Co.....	Trenton	13	Ingersoll-Sergeant	65, 840
39	Consolidated Coal Co., Abby No. 3.	Collinsville ...	10	Harrison	64, 424
40	Gus Blair Big Muddy Coal Co	Murphysboro .	6	Ingersoll-Sergeant	54, 812
41	Hippard Coal Co	Belleville	6	{ 2 Herzler & Henninger. }	50, 168
				2 Sullivan	
42	Kortkamp Coal Co	Hillsboro	4	{ 2 Harrison	48, 230
				Goodman	
43	Southern Coal & Mining Co., No. 4.	Belleville	6	Herzler & Henninger	47, 084
44	Illinois Fuel Co	Sparta	3	Goodman	44, 798
45	Glendale Coal & Mining Co	Belleville	4	Herzler & Henninger.....	44, 500
46	Kerns-Doniewald Coal Co.....	Worden	7	{ 5 Jeffrey	41, 852
				2 Goodman.....	
47	Consolidated Coal Co.....	Gillespie	12	Harrison	32, 101
48	Interstate Coal Co	Worden	6	Ingersoll-Sergeant	29, 710
49	International Coal & Mining Co	O'Fallon	6	Yock	22, 104
50	Stonington Coal Co	Stonington ...	2	Goodman	21, 476
51	Shoal Creek Coal Co.....	Panama.....	5	Sullivan	18, 077
52	Johnson Coal Co., Gartside.....	Belleville	3	Harrison	17, 030
53	Consolidated Coal Co.....	Hornsby	11	..do.....	16, 812
54	Third Vein Coal Co	Mapleton	3	Lee.....	12, 945
55	Wm. Neil & Co	Bunker Hill ..	1	Harrison	5, 248
56	Schmidgall Coal Co	Murphysboro .	3	..do.....	4, 120
57	Peabody Coal Co	Nokomis	1	Sullivan	1, 651
			685		7, 638, 536

From the foregoing table a list of the mining machines is arranged as to the number of machines, with the number of mines, men, days in operation and tons produced. Eight of the machines are reported as being operated exclusively at 42 of the 57 mines shown in table 62; in the other 15 mines from two to five different machines are in use jointly.

TABLE 63—Machine Mining Exclusively—Name and Number of Machines, Number of Mines, Men, Days and Tons.

NAMES OF MACHINES.	Different machines.	NUMBER OF—				
		Machines.	Mines.	Men.	Days.	Tons.
Sullivan		172	10	2,082	184	1,877,756
Harrison		100	14	1,752	171	1,146,126
Ingersoll-Sergeant		100	6	1,109	215	1,008,194
Herzler & Henninger		28	4	312	175	327,855
Goodman		24	5	813	170	524,906
Morgan-Gardner		7	1	181	198	172,512
Yock		6	1	64	200	22,104
Lee		3	1	39	210	12,945
Harrison	1					
Herzler & Henninger	1					
Ingersoll-Sergeant	3					
Sullivan	2					
Yock	18	25	1	230	110	125,436
Goodman	12					
Jeffrey	11	23	3	616	106	512,965
Harrison	6					
Sullivan	16	22	1	242	223	244,759
Harrison	11					
Ingersoll-Sergeant	5					
Jeffrey	1					
Sullivan	3	20	1	118	230	102,419
Harrison	18					
Yock	1	19	1	202	162	172,827
Morgan-Gardner	11					
Goodman	1	12	1	413	135	244,000
Goodman	7					
Ingersoll-Sergeant	5	12	1	515	275	238,654
Goodman	6					

Table 63—Concluded.

NAMES OF MACHINES.	Different machines.	NUMBER OF—				
		Machines.	Mines.	Men.	Days.	Tons.
D.	5	11	1	237	259	272,755
& Henninger.	4					
D.	7	11	1	115	147	101,907
	6					
D.	3	9	1	306	206	324,232
M.	1					
	5					
-Gardner	1	7	1	99	153	77,474
ll-Sergeant.	3					
L.	3	6	1	123	171	69,534
D.	2					
& Henninger.	2					
D.	3	6	1	66	211	50,193
als.		655	57	2,755	184	7,638,536

397656

The value of exports and imports of the United States in 1927

Table A - Exports and imports of the United States in 1927

Description of goods	Value in millions of dollars	Percentage of total	
		Exports	Imports
Grain and grain products	1,200.0	12.5	15.0
Meat and meat products	800.0	8.3	10.0
Mineral products	1,500.0	15.6	18.8
Textiles	600.0	6.3	7.5
Chemicals and allied products	400.0	4.2	5.0
Metals and metal products	300.0	3.1	3.8
Transportation equipment	200.0	2.1	2.5
Electric, electronic, and optical instruments	100.0	1.1	1.3
Other manufactured goods	1,000.0	10.5	12.5
Raw materials	500.0	5.3	6.3
Foodstuffs	300.0	3.1	3.8
Other agricultural products	200.0	2.1	2.5
Other goods	100.0	1.1	1.3
Total	9,600.0	100.0	100.0

POWDER USED IN MINES.

The distribution of powder used in all mines of the State for blasting coal is presented by districts in the following table :

TABLE 65—*Distribution of Powder Used in all Mines, by Districts.*

DISTRICTS.	POWDER USED IN BLASTING COAL.					
	Mines.	Men.	Kegs.	Tons of Coal.	Kegs per Man.	Tons per Keg.
.....	34	2,637	21,198	1,561,843	8.04	73.67
.....	54	943	37,295	719,152	39.55	19.28
.....	113	1,397	54,338	1,147,711	38.85	21.12
.....	96	2,351	94,116	1,836,598	40.03	19.51
.....	63	2,593	78,649	2,188,259	28.25	27.82
.....	62	5,310	215,082	5,144,369	40.51	23.92
.....	44	4,425	73,945	4,836,373	16.71	65.40
.....	102	5,721	161,788	7,303,513	28.28	45.14
.....	62	4,167	120,584	4,132,639	28.91	34.27
.....	97	4,908	170,378	5,389,902	34.71	31.57
State	727	34,452	1,027,373	34,260,359	29.82	33.25
.....	556	33,115	938,500	32,898,350	28.34	35.06
.....	591	29,924	923,418	32,336,448	30.86	35.02
.....	639	40,267	806,311	30,937,409	20.02	38.37
.....	657	36,559	637,448	25,556,523	17.40	40.01
.....	585	34,570	477,612	16,283,180	13.82	34.09
.....	621	29,667	490,713	19,979,219	16.50	40.71

Considering the shipping mines only, in which powder is used for blasting coal, the following table presents the results by districts:

TABLE 66—*Distribution of Powder in all Shipping Mines, by Districts.*

District.	Number of mines.	Number of miners.	Total number of tons	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First	18	2,885	1,542,880	20,829	8.85	74.11
Second	13	790	698,221	21,329	48.13	19.65
Third	21	955	951,886	44,180	46.17	21.89
Fourth	30	2,267	1,811,700	86,446	38.13	26.35
Fifth	24	2,872	2,084,883	73,888	21.15	27.53
Sixth	49	5,211	5,687,776	213,883	40.68	23.92
Seventh	36	4,365	4,815,853	73,197	16.76	45.79
Eighth	78	5,886	7,189,785	157,688	28.21	45.61
Ninth	52	4,127	4,110,843	119,859	29.84	31.29
Tenth	60	4,779	5,831,244	188,221	35.20	31.69
Total	381	32,987	33,584,241	989,100	29.68	32.97

Here is the record of 381 mines that consumed 989,100 kegs of powder, 25 pounds each, or 96.27 per cent of the total amount consumed by all of the mines, during the year. The result shown for the State is 20.88 kegs per man and 33.87 tons per keg. Last year, for the same classification of mines, the showing was 28.61 kegs per man and 35.26 tons per keg.

For the purpose of showing the relative efficiency resulting from the employment of powder in mining coal, under the different processes of mining, as practiced in the different sections of the State, a series

of three tables are presented, all arranged by districts. These tables are all subsidiary of Table 67:

TABLE 67—*Consumption of Powder in Shipping Mines—Hand Mining Exclusively, by Districts.*

District.	Number of mines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First	18	2,585	1,543,560	20,829	8.05	74.11
Second	13	740	608,221	31,919	43.13	19.06
Third	21	955	961,536	44,100	46.18	21.80
Fourth	30	2,267	1,811,760	86,446	38.13	20.96
Fifth	19	1,596	1,247,472	47,200	29.76	26.81
Sixth	47	4,746	4,612,617	208,064	43.84	22.17
Seventh	17	1,867	1,763,554	48,066	25.74	36.69
Eighth	48	2,838	3,419,314	119,165	41.99	28.69
Ninth	41	2,898	2,654,282	93,412	32.23	28.42
Tenth	46	3,146	3,401,004	120,907	38.43	28.41
Total	300	23,628	22,023,320	820,108	34.67	26.85
Percentages	78.74	71.63	65.73	82.91	.....	.....

TABLE 68—*Consumption of Powder in Shipping Mines—Machine Mining Exclusively, by Districts.*

District.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth	1	12	90	74,308	600	6.67	122.18
Sixth	1	12	265	244,009	2,416	9.17	183.78
Seventh	17	267	2,239	2,803,561	18,342	8.14	152.85
Eighth	23	237	2,149	2,869,256	30,649	14.32	93.62
Ninth	7	101	912	1,098,876	16,514	18.11	66.54
Tenth	5	51	442	528,682	6,599	14.93	80.10
Total	54	680	6,088	7,618,692	75,120	12.34	101.42
Percentages	14.17	.....	18.46	22.74	7.60	.....	.....

TABLE 69—Consumption of Powder in Shipping Mines—Hand and Machine Mining Combined, by Districts.

District.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth	4	39	696	712,583	26,088	37.47	27.31
Sixth	1	15	900	241,150	2,553	12.77	94.46
Seventh	2	17	259	248,838	6,789	26.21	36.93
Eighth	7	84	608	901,215	7,794	12.82	11.56
Ninth	4	28	317	356,885	9,933	31.33	35.93
Tenth	9	94	1,191	1,401,558	40,715	34.19	34.42
Total	27	277	3,271	3,862,229	93,872	28.70	41.04
Percentages	7.09	.....	9.91	11.53	9.49	.....	.....

The first of these tables (Table 67) deals only with the information as to the use of powder in mines where hand mining of coal obtains exclusively; the second (Table 68) gives the same facts regarding mines in which the process of mining is exclusively by machines; the third (Table 69) is the record of mines wherein the coal is mined both by hand and machine. The results reached by these three systems of mining, by means of which coal is brought down by the use of powder, are abridged and shown for the State in the following form, by percentages:

CHARACTER OF MINES AND PROCESS OF MINING.	PERCENTAGES OF—				Kegs per man.	Tons per keg.
	Mines.	Miners.	Tons.	Powder.		
Shipping mines—hand mining.....	78.74	71.63	65.73	82.91	34.67	26.85
Shipping mines—machine mining...	14.17	18.46	22.74	7.60	12.34	101.42
Shipping mines—hand and machine mining	7.09	9.91	11.53	9.49	28.70	41.04

Here is shown that in the 381 shipping mines (Table 66) where powder was used, comparatively a very large number employ hand mining, and use a much larger quantity of powder, but did not produce proportionately a similar output of coal. The miners at the same mines consume more kegs of powder per man, but did not obtain an equal quantity of coal.

BLASTING DOWN COAL IN THE MINES.

The following table presents by districts the method applied in reducing the coal in mines where powder is used:

TABLE 70—*Method of Mining in Shipping Mines where Powder is Used for Blasting Down the Coal—1906*

DISTRICT.	BLASTED FROM THE SOLID.		UNDERCUT BEFORE BLASTING.		BOTH METHODS USED.		TOTALS.	
	Mines	Tons.	Mines	Tons.	Mines	Tons.	Mines	Tons.
First	18	1,456,816	2	204,878	14	1,182,310	34	2,843,504
Second	17	1,985,896	4	23,856	1	77,535	22	2,087,227
Third	3	427,475	19	947,695	.....	.....	22	1,375,170
Fourth	6	65,676	24	1,633,145	1	21,072	31	1,719,893
Fifth	3	168,277	8	910,092	14	1,024,463	25	2,102,832
Sixth	3	330,406	45	4,526,220	1	241,150	49	5,097,776
Seventh	18	2,964,351	16	1,760,054	2	91,548	36	4,815,953
Eighth	24	2,913,594	48	3,419,314	6	856,877	78	7,189,785
Ninth	7	1,098,876	40	2,647,796	5	363,371	52	4,110,043
Tenth	7	612,276	46	3,401,004	7	1,317,964	60	5,331,244
The State.	106	12,023,083	252	19,474,054	51	5,176,290	409	36,673,427

NOTE.—Ten mines producing 449,384 tons, not reported.

This gives a classification of the means used in producing the output of coal in 409 of the shipping mines, and is substantially the total product of all of this class of mines. It is found that 53.10 per cent is blasted from the solid; 32.78 per cent being undercut before blasting, and 14.12 per cent is produced by both the former methods.

SUMMARY OF ALL MINES.

The six tables immediately following are summaries of the reports of the ten State inspectors of mines, and present the totals of all the

leading particulars relating to the coal mining industry in each district and for the State:

TABLE 71—*Summary by Districts—Shipping and Local Mines—Number of Counties and Production—1906.*

DISTRICTS AND MINES.	Counties.	No. of mines.	Total tons of coal produced.	GRADED PRODUCT—TONS OF—					
				Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First	4	72	2,936,330	298,143	1,635,844	272,527	90,338	578,998	60,480
Shipping....	4	34	2,843,504	271,570	1,582,086	272,527	90,338	566,503	60,480
Local	3	38	92,826	26,573	53,758	.....	.....	12,495	.....
Second	6	142	2,311,494	167,292	1,689,189	7,716	5,302	380,877	61,118
Shipping....	5	22	2,087,227	165,762	1,487,798	7,716	5,302	359,531	61,118
Local	6	120	224,267	1,530	201,391	.....	.....	21,346	.....
Third	6	129	1,869,023	496,627	989,251	38,970	51,595	245,962	46,618
Shipping....	6	29	1,675,654	428,920	870,967	38,970	49,656	241,788	45,353
Local	4	100	193,369	67,707	118,284	.....	1,939	4,174	1,265
Fourth	5	175	2,026,383	328,847	892,390	268,117	64,697	378,696	93,656
Shipping....	5	33	1,843,293	289,146	767,033	268,117	64,626	369,698	84,673
Local	4	142	183,090	39,701	125,357	.....	61	8,968	8,983
Fifth	3	66	2,283,018	1,560,324	458,599	45,356	59,796	154,141	4,802
Shipping....	2	26	2,128,332	1,516,259	373,024	45,356	59,796	129,095	4,802
Local	2	40	154,686	44,065	85,575	.....	.....	25,046	.....
Sixth	6	83	5,160,607	1,437,204	2,273,820	136,701	199,783	918,156	194,943
Shipping....	4	49	5,097,776	1,410,178	2,247,470	136,701	199,528	918,156	194,743
Local	5	34	62,831	27,026	26,350	.....	9,255	.....	200
Seventh	8	71	4,878,092	880,762	2,639,885	74,771	236,809	937,447	108,418
Shipping....	4	36	4,815,953	875,391	2,587,111	74,771	234,861	935,476	108,343
Local	7	35	62,139	5,371	52,774	.....	1,948	1,971	75
Eighth	3	121	7,330,093	1,751,244	3,642,921	292,869	266,119	1,270,530	196,410
Shipping....	3	78	7,189,785	1,633,064	3,627,834	292,869	263,589	1,270,030	192,399
Local	2	43	140,308	118,180	15,087	.....	2,530	500	4,011
Ninth	8	62	4,132,639	1,374,850	1,391,965	257,497	279,115	695,821	133,511
Shipping....	8	52	4,110,043	1,368,010	1,377,735	257,497	279,115	694,265	133,511
Local	3	10	22,596	6,840	14,200	.....	.....	1,556	.....
Tenth	5	97	5,369,902	1,482,612	1,264,254	545,965	678,444	1,061,469	357,120
Shipping....	4	60	5,351,244	1,477,316	1,224,557	545,869	674,252	1,062,409	356,826
Local	5	37	58,658	5,296	39,697	100	4,192	9,060	304
The State	54	1,018	38,317,581	9,777,905	16,878,068	1,859,427	1,931,968	6,622,657	1,297,066
Shipping....	45	419	37,122,811	9,435,616	16,145,615	1,859,327	1,932,002	6,593,942	1,242,268
Local	41	599	1,194,770	342,289	732,453	100	10	30	50

TABLE 72—Summary by Districts—Aggregate Value of the Total Product at the Mines and of the Different Grades of Coal, per Ton—1906.

DISTRICTS AND MINES.	Aggregate value of total product.	AGGREGATE VALUE OF THE DIFFERENT GRADES OF COAL AT THE MINES.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First.....	\$4, 117, 312	\$462, 469	\$2, 723, 261	\$459, 189	\$120, 441	\$351, 952	.....
Shipping.....	\$3, 931, 848	\$414, 323	\$2, 597, 662	\$459, 189	\$120, 441	\$340, 233	.....
Local.....	185, 464	48, 146	125, 599	.....	.....	11, 719	.....
Second.....	\$3, 318, 025	\$237, 015	\$2, 763, 586	\$13, 117	\$7, 250	\$254, 078	\$42, 979
Shipping.....	\$2, 926, 066	\$234, 414	\$2, 386, 462	\$13, 117	\$7, 250	\$241, 844	\$42, 979
Local.....	391, 959	2, 601	377, 124	.....	.....	12, 234	.....
Third.....	\$2, 458, 196	\$620, 328	\$1, 578, 923	\$63, 523	\$57, 486	\$120, 950	\$16, 986
Shipping.....	\$2, 161, 669	\$524, 117	\$1, 386, 033	\$63, 523	\$53, 608	\$117, 655	\$16, 733
Local.....	296, 527	96, 211	192, 890	.....	3, 878	3, 295	253
Fourth.....	\$2, 392, 317	\$397, 755	\$1, 335, 791	\$357, 515	\$73, 892	\$193, 911	\$33, 453
Shipping.....	\$2, 124, 463	\$345, 944	\$1, 133, 955	\$357, 515	\$73, 831	\$183, 854	\$29, 364
Local.....	267, 854	51, 811	201, 836	.....	61	10, 057	4, 089
Fifth.....	\$2, 384, 395	\$1, 552, 138	\$619, 886	\$51, 905	\$64, 887	\$92, 873	\$2, 706
Shipping.....	\$2, 183, 037	\$1, 503, 103	\$489, 658	\$51, 905	\$64, 887	\$70, 778	\$2, 706
Local.....	201, 358	49, 035	130, 228	.....	.....	22, 095	.....
Sixth.....	\$5, 069, 953	\$1, 409, 438	\$2, 787, 297	\$143, 305	\$198, 795	\$471, 737	\$59, 381
Shipping.....	\$4, 971, 377	\$1, 362, 721	\$2, 744, 262	\$143, 305	\$190, 092	\$471, 737	\$59, 261
Local.....	98, 576	46, 717	43, 035	.....	8, 703	.....	120
Seventh.....	\$4, 845, 349	\$849, 111	\$3, 179, 350	\$92, 380	\$251, 719	\$439, 526	\$32, 633
Shipping.....	\$4, 727, 365	\$839, 374	\$3, 076, 686	\$92, 380	\$248, 853	\$437, 439	\$32, 663
Local.....	117, 984	9, 737	103, 264	.....	2, 866	2, 087	30
Eighth.....	\$6, 422, 776	\$1, 557, 337	\$3, 907, 607	\$225, 162	\$202, 879	\$498, 385	\$31, 406
Shipping.....	\$6, 216, 774	\$1, 381, 357	\$3, 881, 518	\$225, 162	\$200, 349	\$498, 185	\$30, 203
Local.....	206, 002	175, 980	26, 089	.....	2, 530	200	1, 203
Ninth.....	\$3, 837, 341	\$1, 312, 793	\$1, 609, 676	\$293, 645	\$277, 368	\$333, 125	\$10, 734
Shipping.....	\$3, 811, 162	\$1, 305, 103	\$1, 591, 624	\$293, 645	\$277, 368	\$332, 688	\$10, 734
Local.....	26, 179	7, 690	18, 052	.....	.....	437	.....
Tenth.....	\$5, 050, 138	\$1, 373, 767	\$1, 626, 916	\$665, 646	\$661, 172	\$608, 188	\$114, 449
Shipping.....	\$4, 979, 632	\$1, 368, 347	\$1, 572, 834	\$665, 546	\$658, 023	\$600, 533	\$114, 349
Local.....	70, 506	5, 420	54, 082	100	3, 149	7, 655	100
The State.....	\$39, 895, 802	\$9, 772, 151	\$22, 132, 893	\$2, 365, 387	\$1 915, 889	\$3, 364, 725	\$344, 757
Shipping.....	\$38, 033, 393	\$9, 278, 803	\$20, 860, 694	\$2, 365, 287	\$1, 894, 702	\$3, 294, 946	\$338, 902
Local.....	1, 862, 409	493, 348	1, 272, 199	100	21, 187	69, 779	5, 795

TABLE 73—*Summary by Districts of the Value of Coal per Ton at the Mines—1906.*

DISTRICTS AND MINES.	AVERAGE VALUE OF THE DIFFERENT GRADES OF COAL PER TON AT THE MINES.						All grades.
	Mine-run	Lump.	Egg.	Nut.	Pea.	Slack.	
First	\$1.55	\$1.665	\$1.685	\$1.333	\$0.607	.....	\$1.432
Shipping	\$1.526	\$1.642	\$1.685	\$1.333	\$0.60	.....	\$1.412
Local	1.812	2.337	.....	.....	0.937	.....	1.998
Second	\$1.417	\$1.637	\$1.70	\$1.367	\$0.667	\$0.703	\$1.436
Shipping	\$1.414	\$1.604	\$1.70	\$1.367	\$0.673	\$0.703	\$1.401
Local	1.70	1.88	.....	.....	0.573	.....	1.754
Third	\$1.249	\$1.596	\$1.63	\$1.114	\$0.492	\$0.364	\$1.315
Shipping	\$1.222	\$1.591	\$1.63	\$1.06	\$0.487	\$0.369	\$1.29
Local	1.421	1.631	.....	2.00	0.789	0.20	1.533
Fourth	\$1.209	\$1.497	\$1.333	\$1.142	\$0.512	\$0.382	\$1.184
Shipping	\$1.196	\$1.478	\$1.333	\$1.142	\$0.497	\$0.373	\$1.153
Local	1.305	1.61	.....	1.00	1.119	0.457	1.463
Fifth	\$0.995	\$1.352	\$1.144	\$1.085	\$0.602	\$0.564	\$1.044
Shipping	\$0.991	\$1.313	\$1.144	\$1.085	\$0.548	\$0.564	\$1.021
Local	1.113	1.522	.....	.....	0.882	.....	1.302
Sixth	\$0.981	\$1.226	\$1.048	\$0.995	\$0.514	\$0.329	\$0.985
Shipping	\$0.966	\$1.221	\$1.048	\$0.998	\$0.514	\$0.329	\$0.975
Local	1.729	1.633	.....	0.94	.....	0.60	1.569
Seventh	\$0.964	\$1.205	\$1.236	\$1.061	\$0.469	\$0.301	\$0.993
Shipping	\$0.959	\$1.189	\$1.236	\$1.06	\$0.468	\$0.31	\$0.982
Local	1.813	1.957	.....	1.471	1.059	0.40	1.899
Eighth	\$0.889	\$1.073	\$1.11	\$0.762	\$0.392	\$0.16	\$0.876
Shipping	\$0.846	\$1.07	\$1.11	\$0.76	\$0.392	\$0.157	\$0.866
Local	1.489	1.729	.....	1.00	0.40	0.30	1.468
Ninth	\$0.955	\$1.156	\$1.141	\$0.994	\$0.479	\$0.144	\$0.942
Shipping	\$0.954	\$1.155	\$1.141	\$0.994	\$0.479	\$0.144	\$0.927
Local	1.124	1.271	.....	.....	0.281	.....	1.159
Tenth	\$0.927	\$1.287	\$1.219	\$0.975	\$0.573	\$0.358	\$0.943
Shipping	\$0.926	\$1.284	\$1.219	\$0.976	\$0.571	\$0.358	\$0.934
Local	1.023	1.362	1.00	0.751	0.844	0.33	1.202
The State	\$0.999	\$1.311	\$1.278	\$0.992	\$0.508	\$0.319	\$1.046
Shipping	\$0.983	\$1.292	\$1.278	\$0.991	\$0.504	\$0.318	\$1.029
Local	1.441	1.739	1.00	1.063	0.819	0.392	1.56

TABLE 74—*Summary by Districts of the Total Tons and the Disposition of the Output—1906.*

DISTRICTS AND MINES.	Total tons produced.	DISPOSITION OF OUTPUT—TONS.			
		Shipped from mines.	Supplied to locomotives at mines.	Sold to local trade.	Consumed and wasted at mines.
First.....	2,936,330	2,364,675	96,160	214,132	261,363
Shipping	2,843,504	2,364,675	96,160	142,879	239,790
Local	92,826	.....	.....	71,253	21,573
Second.....	2,311,494	1,917,880	26,071	271,554	95,989
Shipping	2,087,227	1,917,880	26,071	50,233	93,043
Local	224,267	.....	.....	221,321	2,946
Third	1,869,023	1,498,229	58,978	245,434	66,382
Shipping	1,675,654	1,498,229	58,978	63,133	55,314
Local	193,369	.....	.....	182,301	11,068
Fourth	2,026,383	1,616,865	57,714	283,203	68,601
Shipping	1,843,293	1,616,865	57,714	102,399	66,315
Local	183,090	.....	.....	180,804	2,286
Fifth	2,283,018	1,881,911	33,683	317,092	50,332
Shipping	2,128,332	1,881,911	33,683	162,506	50,232
Local	154,686	.....	.....	154,586	100
Sixth	5,160,607	4,493,078	129,877	333,162	204,490
Shipping	5,097,776	4,493,078	129,877	272,346	202,475
Local	62,831	.....	.....	60,816	2,015
Seventh	4,878,092	4,313,683	143,892	213,411	207,106
Shipping	4,815,953	4,313,683	143,892	155,839	202,539
Local	62,139	.....	.....	57,572	4,567
Eighth	7,330,093	6,714,094	82,791	257,946	275,262
Shipping	7,189,785	6,714,094	82,791	119,978	272,922
Local	140,308	.....	.....	137,968	2,340
Ninth.....	4,132,639	3,483,269	333,951	164,329	151,090
Shipping	4,110,043	3,483,269	333,951	141,931	150,892
Local	22,596	.....	.....	22,398	198
Tenth.....	5,389,902	4,812,426	72,227	239,415	265,834
Shipping	5,331,244	4,812,426	72,227	182,507	264,084
Local	58,658	.....	.....	56,908	1,750
The State.....	38,317,581	33,096,110	1,035,344	2,539,678	1,646,449
Shipping	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606
Local	1,194,770	.....	.....	1,145,927	48,843

TABLE 75—Summary by Districts—Tons Mined by Hand and Machine, Prices Paid for Mining, Machines, Powder—1906.

DISTRICTS AND MINES.	TONS MINED BY—		AVERAGE PRICES PAID PER TON FOR—		MACHINES.		POWDER.	
	Hand.	Machine.	Hand mining.	Machine mining.	Number of mines using.	Number in use.	Used for blasting coal.	For other purposes
First.....	2,936,330		80.792				21,198	661
Shipping	2,843,504		80.784				20,829	661
Local	92,826		1.033				369	
Second.....	2,311,494		80.765				37,295	1,232
Shipping	2,087,227		80.745				31,919	1,232
Local	224,267		0.948				5,376	
Third.....	1,856,078	12,945	80.679	80.790	1	3	54,338	345
Shipping	1,662,709	12,945	80.679	80.790	1	3	44,100	345
Local	193,369		0.678				10,238	
Fourth.....	2,026,383		80.627				94,116	105
Shipping	1,843,293		80.609				86,446	95
Local	183,090		0.817				7,670	10
Fifth.....	2,047,972	235,046	80.533	80.491	5	51	78,649	35
Shipping	1,893,296	235,046	0.532	0.491	5	51	73,898	35
Local	154,686		0.549				4,751	
Sixth.....	4,679,894	480,713	80.527	80.450	3	27	215,082	141
Shipping	4,617,063	480,713	80.525	80.450	3	27	213,033	141
Local	62,831		0.612				2,049	
Seventh.....	1,912,157	2,965,935	80.548	80.452	21	286	73,945	62
Shipping	1,856,917	2,959,036	80.531	80.452	19	284	73,197	61
Local	55,240	6,899	1.149	0.457	2	2	748	1
Eighth.....	3,639,433	3,700,670	80.532	80.450	30	321	161,788	42
Shipping	3,499,115	3,700,670	80.530	80.450	30	321	157,608	42
Local	140,308		0.570				4,180	
Ninth.....	2,935,337	1,197,303	80.499	80.419	11	120	120,584	2
Shipping	2,912,741	1,197,303	80.498	80.419	11	120	119,650	2
Local	22,596		0.596				725	
Tenth.....	4,419,393	970,619	80.480	80.396	14	145	170,378	124
Shipping	4,380,635	970,619	80.458	80.396	14	145	168,221	124
Local	38,758		0.578				2,157	
The State.....	28,754,351	9,593,330	80.578	80.443	85	962	1,027,373	2,749
Shipping	27,598,490	9,593,331	80.570	80.443	83	960	989,109	2,738
Local	1,157,871	6,899	0.783	0.457	2	2	38,273	11

TABLE 76—Summary by Districts—Employés, Days in Operation, Casualties—1906.

DISTRICTS AND MINES.	Total number employés	EMPLOYÉS.				Average days of opera- tion.	CASUALTIES.	
		Miners.	Others under ground.	Boys under ground.	All above ground.		Killed.	Injured.
First	7, 091	5, 096	1, 210	207	578	183	17	70
Shipping	6, 768	4, 838	1, 181	206	543	207	.....	.....
Local	323	258	29	1	35	161	.....	.....
Second	6, 293	4, 702	1, 000	108	483	.....	9	87
Shipping	5, 663	4, 179	972	108	404	201	.....	.....
Local	630	523	28	.....	79	163	.....	.....
Third	3, 623	2, 692	508	80	343	161	6	24
Shipping	3, 057	2, 225	466	80	286	205	.....	.....
Local	566	467	42	.....	57	149	.....	.....
Fourth	3, 845	2, 865	637	24	319	153	4	16
Shipping	3, 261	2, 342	604	24	291	192	.....	.....
Local	584	523	33	.....	28	145	.....	.....
Fifth	3, 997	2, 725	895	116	261	198	15	23
Shipping	3, 683	2, 482	834	116	251	193	.....	.....
Local	314	243	61	.....	10	201	.....	.....
Sixth	7, 856	5, 363	1, 567	203	723	175	15	47
Shipping	7, 646	5, 211	1, 528	203	704	181	.....	.....
Local	210	152	39	.....	19	162	.....	.....
Seventh	6, 895	4, 594	1, 366	216	719	186	25	84
Shipping	6, 621	4, 365	1, 348	216	692	175	.....	.....
Local	274	229	18	.....	27	196	.....	.....
Eighth	8, 633	5, 808	1, 718	196	911	188	32	72
Shipping	8, 334	5, 586	1, 701	192	855	187	.....	.....
Local	299	222	17	4	56	189	.....	.....
Ninth	6, 380	4, 167	1, 166	150	897	181	18	21
Shipping	6, 324	4, 127	1, 164	150	883	183	.....	.....
Local	56	40	2	.....	14	174	.....	.....
Tenth	7, 670	4, 908	1, 538	199	1, 025	162	14	36
Shipping	7, 494	4, 779	1, 526	199	990	189	.....	.....
Local	176	129	12	.....	35	124	.....	.....
The State	62, 283	42, 920	11, 605	1, 499	6, 259	172	155	480
Shipping	58, 851	40, 134	11, 324	1, 494	5, 899	190	.....	.....
Local	3, 432	2, 786	281	5	360	160	.....	.....

FATAL ACCIDENTS.

The number of deaths caused by accidents in and around the coal mines of the State, during the past year was 155, which is less than for either of the three previous years. The following table presents the record by districts:

TABLE 77—*Fatal Casualties by Districts for the Year Ended June 30, 1906.*

DISTRICT.	Killed.	WHERE EMPLOYED.		EMPLOYES.			Total tons of coal mined.	Number employed to each death.	Ratio per 1000 employed.	Number of tons of coal to each death.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	17	15	2	6,513	578	7,091	2,936,330	417	2.4	172,725
Second.....	9	9		5,810	493	6,303	2,311,494	609	1.4	256,833
Third.....	6	6		3,259	343	3,602	1,869,023	604	1.7	311,504
Fourth.....	4	4		3,526	319	3,845	2,026,383	961	1.0	506,596
Fifth.....	15	15		3,736	261	3,997	2,283,018	266	3.8	152,201
Sixth.....	15	15		7,132	728	7,860	5,160,607	524	1.9	344,040
Seventh.....	25	23	2	6,176	719	6,895	4,878,032	276	3.6	195,124
Eighth.....	32	30	2	7,722	911	8,633	7,330,008	270	3.7	229,065
Ninth.....	18	18		5,483	897	6,380	4,132,630	354	2.8	229,591
Tenth.....	14	12	2	6,645	1,085	7,730	5,389,902	548	1.8	384,903
The State....	155	147	8	56,024	6,259	62,283	38,317,581	402	2.5	247,219

The fifth, eighth and seventh districts, respectively, show the highest ratio of killed to 1,000 persons employed; in this regard the rate for the State is 2.5, being the lowest shown for the past three years.

fatal casualty record for a series of 24 years is shown in the following table:

TABLE 78—*Fatal Accidents for Twenty-four Years.*

Year.	Number killed.	Total number of employes.	Total tons of coal mined.	Number of employes to each life lost.	Rate per 1,000.	Number of tons of coal produced to each life lost.
.....	184	23,939	12,123,457	179.6	5.6	90,474
.....	46	25,575	12,208,075	566	1.8	265,393
.....	39	25,436	11,834,459	652.4	1.5	303,448
.....	52	25,846	11,175,241	497	2.0	214,909
.....	41	26,804	12,423,066	654	1.5	308,002
.....	55	29,410	14,328,181	534.7	1.9	260,512
.....	42	30,076	14,017,298	716.1	1.4	333,745
.....	53	28,574	15,274,727	539.1	1.9	286,316
.....	60	32,951	15,660,698	549	1.8	261,012
.....	57	33,632	17,062,276	580	1.7	313,372
.....	69	35,390	19,949,564	513	1.9	289,124
.....	72	32,635	17,113,576	553.3	2.2	237,698
.....	75	31,962	17,735,864	426.2	2.3	236,478
.....	77	33,054	19,786,626	429.2	2.3	256,969
.....	69	33,788	20,072,758	489.7	2.0	290,610
.....	75	35,026	18,599,299	467	2.1	247,991
.....	84	36,991	23,434,445	440	2.3	278,962
.....	94	39,384	25,153,929	419	2.4	267,595
.....	99	44,143	26,635,319	445.9	2.2	269,044
.....	99	46,005	30,021,300	464.7	2.2	303,245
.....	156	49,814	34,955,400	319.3	3.1	224,073
.....	157	54,774	37,077,897	348.9	2.9	236,165
.....	199	59,230	37,183,374	298	3.4	186,851
.....	155	62,283	38,317,581	402	2.5	247,210
Years—24 years.	86	36,530	20,922,767	425	2.4	243,288

ting the exceptional mortality for the years 1883, and 1905, the of deaths has increased from 46 to 155 or 215 per cent. How-aring the same period, the number of miners has increased 144 t, and the number of tons 314 per cent.

The following table presents the averages of the number of fatal casualties, employés and tons, also the proportion of the killed to the number employed and the output, with the ratio of deaths to each 1,000 employed:

TABLE 79—Fatal Accidents, Averages and Proportions for Nine Years, 1883-1891, and for the Succeeding Fifteen Years, 1892-1905.

NUMBER OF YEARS.	AVERAGE.			PROPORTION OF—		Ratio per 1,000.
	Killed.	Employés.	Tons mined.	Employés to each life lost.	Tons to each life lost.	
9 years.....	58	27,623	13,227,245	476.8	208,899	2.1
10 years.....	58	28,224	13,610,748	487.5	235,073	2.1
11 years.....	59	28,876	14,187,004	490.2	240,829	2.0
12 years.....	60	29,189	14,430,885	486.5	240,515	2.1
13 years.....	61	29,402	14,685,114	481.	240,134	2.1
14 years.....	62	29,663	15,049,508	464.8	241,621	2.1
15 years.....	63	29,938	15,384,391	479.	245,235	2.1
16 years.....	64	30,256	15,585,323	476.5	245,438	2.1
17 years.....	65	30,652	16,047,036	473.7	248,000	2.1
18 years.....	66	31,137	16,552,974	469.4	249,568	2.1
19 years.....	68	31,822	17,083,624	467.6	251,085	2.1
20 years.....	70	32,531	17,730,508	467.4	254,748	2.1
21 years.....	74	33,354	18,550,741	452.5	251,657	2.2
22 years.....	78	34,328	19,392,884	442.9	250,231	2.3
23 years.....	83	35,410	20,166,384	427.8	243,607	2.3
24 years.....	86	36,530	20,922,767	425.	243,288	2.4

fatal accidents for the year are attributed to the following 23 set forth in the following table:

80—Fatal Accidents by Causes for 1906, by Districts, with Percentages.

CAUSES.	Totals.	DISTRICTS.										Per- cent- ages.
		1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
explosion	1									1		0.65
cut shot	2									1	1	1.29
explosion	1								1			0.65
.	5	1			1			1			2	3.23
motors	3					1		1		1		1.99
on, drilling shot	1							1				0.65
coal	18	3	2				1	3	6	3		11.61
down shaft	9			4				2		1	2	5.80
from car	1						1					0.65
from chute	1	1										0.65
ice down shaft	1							1				0.65
rock or roof	66	8	3	2	2	12	3	7	20	6	3	42.58
slate down shaft	1									1		0.65
coal	10		1				6		1	2		6.45
eel	1							1				0.65
losion	3						2					1.29
r	1									1		0.65
wheel	1										1	0.64
.	18	3	3			2	1	4	2	1	2	11.61
explosions	5				1			2			2	3.23
ure blasts	2						1	1				1.29
d cars	4	1						1	1		1	2.98
owing through rib	1								1			0.64
al 1906	156	17	9	6	4	15	15	25	32	18	14	100.00

is shown the source of all of the fatal accidents, distributed by s. Falling coal and rock in the mines accounts for 54 per cent ie accidents; 80 per cent of these falls occurred in the first, fifth, , eighth and ninth districts. Owing to the change in the boun- of the districts no comparison can be made, in this respect, with years.

The several causes of the fatal accidents have been reduced or condensed into seven distinct leading classes, also a class representing miscellaneous accidents. The following table is the record for 19 years:

TABLE 81—*Fatal Accidents for Nineteen Years, by Leading Causes.*

YEARS.	LEADING CAUSES.								Totals.	Percentages.
	Blasts and explosions.	Cages.	Falling coal and rock.	Falling down shaft.	Fire, black and white damp.	Pit cars.	Railroad cars.	Other causes.		
1898	9	2	25	4	....	8	1	.....	56	3.1
1899	3	4	26	2	....	5	.....	2	42	2.4
1900	4	4	26	..	5	2	1	.....	53	3.0
1901	11	4	22	1	4	2	2	3	40	3.4
1902	4	4	25	8	3	6	2	3	57	3.3
1903	6	4	49	3	3	2	1	3	■	4.0
1904	8	5	43	5	..	6	2	.....	72	4.1
1905	12	4	38	4	5	5	1	6	75	4.3
1906	9	5	41	6	2	7	1	6	77	4.4
1907	11	...	45	3	2	1	1	3	69	4.6
1908	11	2	43	4	7	2	1	5	75	4.3
1909	4	5	51	4	4	6	1	9	84	4.8
1910	17	4	51	1	1	11	2	7	94	5.4
1911	3	1	57	1	1	11	.....	25	99	5.7
1912	13	2	55	7	.....	15	2	5	99	5.7
1913	47	6	77	2	..	18	.....	6	156	8.3
1914	44	4	65	8	.....	21	2	13	167	9.0
1915	52	6	69	4	3	10	1	13	199	11.4
1916	24	5	84	9	..	18	4	11	155	8.2
Totals.	332	74	955	78	39	155	24	120	1,747	100.00
Percentages, 19 years. ..	18.43	4.24	53.52	4.47	2.23	8.87	1.37	6.87	100.00	

Falling coal and rock accounts for 53.52 per cent of all the deaths for the years shown in the table; for eleven years to 1898 inclusive, the per cent was 59.8 from these causes. Blasts and explosions answers for 18.43 per cent and pit cars 8.87 per cent. These three causes covering 80.82 per cent of all fatalities for the series of years shown.

The classification of the causes of the 155 fatal accidents shown in Table 80, are reduced to three classes: one of which shows under five distinct headings the deaths following from the use of powder in blasting coal, these number 24 for the year; another, the deaths resulting from the falling of coal, clod, rock and slate, in the rooms or entries in

the mines, which accounts for 84; the third is classed as miscellaneous and embraces 47 from all causes not otherwise accounted for. This distribution is shown in the following table for the year by districts, and for the five previous years:

TABLE 82—*Fatal Accidents, Caused Primarily by Explosions, Falling Coal, and from Other Causes by Districts, for the Year 1906, and for the Five Preceding Years.*

DISTRICT AND YEARS.	CAUSES—USE OF POWDER.					Total from blasts, etc.	OTHER CAUSES		Total from other causes.	Total from all causes
	Blast ex- plosions.	Blast pre- mature.	Blown out charges.	Powder explosions.	Flying coal.		Falling coal, rock, etc.	Miscellaneous		
First.....							11	6	17	17
Second.....					1	1	5	3	8	9
Third.....							2	4	6	6
Fourth.....				1		1	2	1	3	4
Fifth.....							12	3	15	15
Sixth.....	2	1			6	9	4	2	6	15
Seventh.....	2			2		4	10	11	21	25
Eighth.....	1				1	2	26	4	30	32
Ninth.....	1		1		2	4	9	5	14	18
Tenth.....			1	2		3	3	8	11	14
1906.....	6	1	2	5	10	24	84	47	131	155
1905.....	56	2	7	8	9	82	80	37	117	199
1904.....	3	16	2	14	9	44	65	48	113	157
1903.....	28	11		3	2	44	79	33	112	156
1902.....	2	9		3	3	17	55	27	82	99
1901.....	1	8		3	8	20	57	22	79	99
Six years.....	96	47	11	36	41	231	420	214	634	865

This record is set forth by percentages in the following table:

TABLE 83—Percentages of Fatal Casualties for Six Years—1901-1906—By Causes.

YEARS.	USE OF POWDER.					Totals from powder, blasts, etc., other causes, all causes.	OTHER CAUSES.		ALL CAUSES.		
	Blasts—explosion.	Blasts—premature.	Blown-out charges.	Powder explosions.	Flying coal, etc.		Falling coal, rock, etc., in mines.	Miscellaneous.	Blasts, powder, etc.	Falling coal, roofs, etc.	Miscellaneous
1901.....	5.0	40.0		15.0	40.0	100.00	72.2	27.8	20.2	57.8	22.1
1902.....	11.8	52.9		17.6	17.7	100.00	67.1	32.9	17.2	55.5	27.3
1903.....	68.8	25		6.8	4.6	100.00	70.5	29.5	28.2	50.8	21.2
1904.....	6.8	36.4	4.5	31.8	20.5	100.00	57.5	42.5	28.0	41.4	30.6
1905.....	68.3	2.4	8.5	9.8	11.0	100.00	68.4	31.6	41.2	40.2	18.6
1906.....	25.0	4.2	8.3	20.8	41.7	100.00	64.1	35.9	15.6	54.2	30.1
Six years.....	41.6	20.2	4.8	15.6	17.8	100.00	66.2	33.8	26.7	48.6	24.7

Considering the percentage of the deaths from the resultant force in the use of powder, for the six years, shown in the first three columns, it is seen that 66.6 per cent of the fatalities was in consequence of this explosive in blasting coal; 15.6 per cent from the careless use of powder; and 17.8 per cent from coal, rock or slate flying from blasts of different kinds.

Omitting the deaths caused by the use of powder, it is found that for the six years 66.2 per cent of the killed resulted from falling coal, rock, etc., in the mines and 33.8 per cent from miscellaneous causes. Dividing all of the fatal accidents into three classes as shown by the percentages in the last three columns of the table, it is shown that for the six years 26.7 per cent resulted from the use of powder; 48.6 per cent from falling coal and 24.7 per cent from all other causes.

Combining the fatal and non-fatal accidents, and classifying them, for comparison as to the use of powder and other causes, the following is presented :

TABLE 84—*Fatal and Non-fatal Accidents for the Year, Caused Primarily by Explosions, with Percentages, also Accidents by Falling Coal and Rock and all Other Causes, with Percentages.*

CAUSES.	CASUALTIES.		PERCENTAGES OF—		All casualties.	Per-centages.
	Fatal.	Non-fatal.	Fatal.	Non-fatal.		
Blast explosions.....	6	*15	25.0	37.50	20	31.75
Blasts, premature.....	1	1	4.2	2.50	2	3.17
Blown-out charges	2	6	8.3	15.00	8	12.70
Powder explosions	5	9	20.8	22.50	14	22.22
Flying coal	10	9	41.7	22.50	19	30.16
Totals.....	24	40	100.00	100.00	63	100.00
Falling coal and rock	84	253	64.12	57.50	339	59.27
All other causes	47	187	35.88	42.50	233	40.73
Totals.....	131	440	100.00	100.00	572	100.00
Grand total	155	480	24.41	75.59	635	100.00

* One dynamite, seven gas.

Here is shown 64 accidents resulted from the use of powder ; of this number 24 or 37.5 per cent were fatal, and 40 or 62.5 per cent non-fatal. The number of all accidents was 337 from falling coal, rock, etc., in the mines ; 84 or 24.93 per cent resulted fatally while 253 or 75.07 per cent were injuries more or less serious. The total number of accidents from all causes was 635 ; of these 155 or 24.41 were fatal and 480 or 75.59 per cent non-fatal.

The following table gives the total number of persons employed; the total tons of coal produced; the fatal accidents from falls in the mines and from other causes, with percentages for a series of 24 years:

TABLE 85—*Fatal Accidents in Coal Mines, Caused by Falls in Mines and from all Other Causes; the Total Number of Men and Tons, with Percentages for Twenty-four Years.*

YEARS.	Persons employed.	Total tons.	Total deaths.	CAUSES.		PERCENTAGE BY—	
				Falls.	Other causes.	Falls.	Other causes.
1883	23,939	12,123,456	134	40	94	19.9	70.1
1884	25,575	12,208,075	46	29	17	63.0	37.0
1885	25,436	11,834,459	39	20	19	51.3	48.7
1886	25,846	11,175,241	52	32	20	61.5	38.5
1887	26,804	12,423,066	41	28	13	68.3	31.7
1888	29,410	14,328,181	55	33	22	60.0	40.0
1889	30,076	14,017,298	42	26	16	61.9	38.1
1890	28,574	15,274,727	53	36	17	67.9	32.1
1891	32,951	15,660,698	60	33	27	55.0	45.0
1892	33,632	17,062,276	57	28	29	49.1	50.9
1893	35,390	19,949,564	69	48	21	69.6	30.4
1894	32,635	17,113,576	72	43	29	59.7	40.3
1895	31,962	17,735,864	75	38	37	50.7	49.3
1896	33,054	19,786,626	77	41	36	53.2	46.8
1897	33,788	20,072,758	69	46	23	66.7	33.3
1898	35,026	18,599,299	75	43	32	57.3	42.7
1899	36,991	23,434,445	84	51	33	60.7	39.3
1900	39,384	25,153,929	94	51	43	54.3	45.7
1901	44,143	26,635,319	99	57	42	57.6	42.4
1902	46,005	30,021,300	99	55	44	55.6	44.4
1903	49,814	34,955,400	156	76	80	48.7	51.3
1904	54,774	37,077,897	157	65	92	41.4	58.6
1905	59,230	37,183,374	199	80	119	40.2	59.8
1906	62,283	38,317,581	155	84	71	54.2	45.8
Totals			2,059	1,083	976	...	...
Averages.....	36,530	20,922,684	86	45	41	...	...
Percentages.....						52.6	47.4

The reading of the last line of totals in the table reveals that 2,059 men have been killed at the coal mines of the State during the past 24 years; of this number 1,083 or 52.6 per cent met death by falling coal or rock in the mines, while 976 or 47.4 per cent were killed by all other causes.

The occupation and conjugal relations of the men killed are shown in the following table:

TABLE 86—*Occupation and Conjugal Relations of the Men Killed at the Mines for the Year 1906.*

OCCUPATION.	Total deaths.	Per-centage.	CONJUGAL RELATION				
			Married.	Single.	Widows.	Children.	Dependents.
1 Blasters and loaders	7	4.53	4	3	4	7	11
2 Cagers	2	1.29	1	1	1	1	2
3 Drivers	■	11.63	6	12	6	18	24
4 Foremen	2	1.29	2	..	2	4	5
5 Laborers	4	2.58	4	1	4	10	13
6 Loaders	3	1.94	2	1	2	5	8
7 Machine helpers	3	1.94	2	1	2	6	9
8 Machine runners	3	1.94	3	..	3	9	12
9 Mine examiners	2	1.29	1	1	1	1	2
10 Miners	76	49.04	52	24	52	188	200
11 Mine managers	3	1.94	3	..	3	10	13
12 Operstor	1	.64	1	..	1	7	8
13 Pumpman	1	.64	..	1	..	..	..
14 Roadman	1	.64	..	1	..	..	..
15 Sinkers	2	1.29	1	1	1	6	8
16 Shotfirers	16	11.63	15	3	15	42	46
17 Superintendent	1	.64	1	..	1	2	3
18 Switchman	1	.64	..	1	..	..	..
19 Timbermen	2	1.29	2	..	2	4	6
20 Trapper	1	.64	..	1	..	..	..
21 Trimmer	1	.64	..	1	..	..	..
22 Trip rider	1	.64	..	1	..	..	..
23 Watchman	1	.64	1	..	1	2	..
24 Yardsman	1	.64	1	..	1	4	5
Total	156	100.00	102	53	102	326	372

Nearly one-half of the killed were miners proper; these with the drivers and shot firers constitute 72 per cent of the total number killed. Of the number killed 102 were married men and 53 unmarried; 102 wives were made widows and 326 children were left fatherless; in all 372 were left dependent on their own resources to earn a livelihood.

The subject of fatal accidents in mines is closed with two tables (87 and 88) following, reproduced from the Engineering and Mining Journal, New York, appearing in its issue of December 22, 1906. The data here shown was prepared by Frederick L. Hoffman, and covers the period of ten years, 1896-1905.

Table 87 presents the number of persons killed at coal mines in 20 states and countries for each of the ten years. Table 88 gives the number killed to every 1,000 employed:

TABLE 87—*Number of Persons Killed by Accidents in Coal Mines of the United States and Canada—1896-1905.*

	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	10 years
Alabama	28	35	45	40	37	41	50	57	84	125	605
Colorado	69	35	24	41	39	55	73	40	60	59 ^a	512
Illinois	77	60	75	84	94	90	90	156	157	190	1,100
Indiana	29	16	22	16	19	24	24	55	34	47	294
Indian Territory	12	22	17	25	40	44	40	33	30	44	377
Iowa	23	21	26	29	29	20	55	21	21	24	275
Kansas	12	6	17	16	22	20	27	30	160	30	214
Kentucky	6	12	6	7	17	21	19	25	19	21	163
Maryland	0	5	4	5	7	12	11	13	12	13	95
Michigan				46	10	0	0	8	7	8	49
Missouri	16	8	9	14	10	15	10	17	11	11	121
New Mexico	7	7	7	15	15	9	17	17	15	5	114
Ohio	41	40	52	57	65	72	81	114	118	131	774
Pennsylvania (anthr.)	502	423	411	462	411	513	320	518	505	644	4,779
Pennsylvania (bit.)	150	150	190	258	265	301	450	402	536	679	3,226
Tennessee	22	10	10	20	10	52	220	20	26	20	443
Utah	3	3	3		200	10	5	7	9	7	250
Washington	8	7	9	45	32	27	24	25	21	13	232
West Virginia	65	62	90	50	141	130	120	150	140	194	1,100
British Columbia	9	0	7	11	17	102	130	42	27	13	393
Nova Scotia	8	7	7	13	21	14	19	31	19	20	165
Total deaths	1,130	947	1,049	1,247	1,300	1,690	1,834	1,802	2,019	2,121	15,311

^a Underground only.

^b Six months.

TABLE 88—*Fatal Accidents in Coal Mining in the United States and Canada—1896-1905.*

	NUMBER OF PERSONS KILLED PER 1,000 EMPLOYED.										10 years
	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	
Alabama.....	3.82	3.07	4.55	3.10	2.59	2.90	2.79	2.94	4.71	10.74	4.15
Colorado.....	10.07	4.99	3.23	5.80	3.99	6.00	8.11	3.89	8.28	14.98	5.98
Illinois.....	2.33	2.04	2.14	2.27	2.89	2.24	2.15	3.13	2.87	3.36	2.57
Indiana.....	2.94	2.00	2.63	2.07	1.82	1.98	1.83	2.64	2.70	2.53	2.62
Indian Ter.....	3.26	6.34	4.00	6.24	7.59	8.35	9.62	5.42	3.63	5.76	6.12
Iowa.....	2.62	2.45	3.28	2.49	2.22	1.97	4.23	1.59	1.90	1.96	2.31
Kansas.....	1.36	0.71	1.95	1.57	2.06	2.28	2.70	3.61	3.09	2.97	2.68
Kentucky.....	0.79	1.55	0.67	0.83	2.06	2.14	1.58	1.85	1.37	2.00	1.55
Maryland.....	1.68	1.17	0.89	1.08	1.32	2.23	1.99	2.29	2.11	2.09	1.72
Michigan.....				b4.00	6.11	3.26	4.24	2.64	2.58	2.93	8.43
Missouri.....	2.42	1.32	1.22	1.99	1.31	1.63	1.09	1.00	1.47	1.06	1.49
New Mexico.....	4.87	5.12	3.71	7.98	7.44	4.81	10.11	7.26	7.61	2.35	6.15
Ohio.....	1.44	1.39	1.77	2.03	2.14	2.15	2.16	2.75	2.57	2.96	2.22
Pennsylvania (anthr.)..	3.35	2.89	3.89	3.26	2.96	3.47	2.08	3.41	2.69	2.68	3.18
Pennsylvania (bit.)...	2.14	1.72	2.27	2.00	2.43	2.56	3.37	2.65	3.45	2.90	2.73
Tennessee.....	3.97	1.68	2.43	2.00	1.11	6.10	25.80	2.69	2.91	2.88	5.11
Utah.....	4.25	4.17	4.38		186.96	5.81	3.24	3.21	4.06	5.14	17.66
Washington.....	2.98	2.48	2.70	13.60	7.79	5.59	7.83	5.13	6.69	2.73	5.82
West Virginia.....	2.68	2.89	3.86	3.55	5.03	4.01	3.78	4.02	3.08	4.24	3.75
British Columbia.....	3.27	2.47	2.34	2.91	4.23	25.67	34.65	9.85	8.31	2.72	10.20
Nova Scotia.....	1.33	1.35	1.56	3.39	3.17	1.83	2.36	2.79	1.63	1.66	2.14
Totals.....	2.79	2.34	2.59	2.98	3.24	3.24	3.49	3.14	2.37	3.44	3.11

a Underground only.
b Six months.

NON-FATAL ACCIDENTS.

Non-fatal accidents for the year number 480; these are from injuries sustained involving a loss of thirty days or more of time. The ratio of the injured was 7.7 to 1,000 employed; to those working under ground it was 8.3; while on the surface it was 2.1.

TABLE 89—*Non-Fatal Accidents, by Districts—1906.*

DISTRICT	Number of men injured.	INJURED.		NUMBER OF EMPLOYER.			Total tons of coal mined.	Number of employees to one man injured.	Ratio per 1000.	Number of tons mined to each man injured.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First ..	70	70		6,513	578	7,091	2,936,320	101	9.9	41,949
Second..	87	93	4	5,919	638	6,557	2,311,494	72	13.8	28,569
Third..	24	24		2,260	243	2,503	1,989,032	151	6.6	77,878
Fourth	16	15	1	2,536	319	2,855	2,026,393	240	4.1	126,640
Fifth . . .	23	23	1	2,736	261	2,997	2,293,919	174	5.8	99,363
Sixth...	47	46	1	7,123	728	7,851	5,160,697	167	6.0	109,800
Seventh . .	84	92	8	6,176	719	6,895	4,978,692	92	12.2	58,072
Eighth .	72	70	2	7,722	911	8,633	7,330,693	120	8.3	101,907
Ninth	21	21		5,438	597	6,035	4,122,639	304	3.3	196,762
Tenth.	26	34	8	6,645	1,025	7,670	5,399,902	213	4.7	142,720
The State	480	467	13	56,686	6,259	62,945	38,317,591	180	7.7	79,828

The record of the non-fatal accidents, with the total number of employes and tonnage, is presented in the following table for a series of twenty-four years:

TABLE 90—*Non-Fatal Accidents for Twenty-four Years.*

Year.	Number of men injured.	Total number of employes.	Total number of tons of coal mined.	Number of employes to one man injured.	Rate per 1,000.	Number of tons of coal produced to one man injured.
1883.....	231	23,939	12,123,456	104	9.6	52,482
1884.....	197	25,575	12,208,075	130	7.7	61,970
1885.....	176	25,446	11,834,459	145	6.9	67,241
1886.....	171	25,846	11,175,231	151	6.6	66,126
1887.....	180	26,804	12,423,066	149	6.7	69,017
1888.....	179	29,410	14,328,181	164	6.1	80,046
1889.....	201	30,076	14,017,298	150	6.7	69,738
1890.....	294	28,574	15,274,727	97	10.3	51,955
1891.....	367	32,951	15,660,698	90	11.1	42,672
1892.....	370	33,632	17,062,276	91	11.0	46,114
1893.....	403	35,390	19,949,564	88	11.4	49,503
1894.....	521	32,635	17,113,576	63	16.0	32,848
1895.....	605	31,962	17,735,864	53	18.9	29,315
1896.....	672	33,054	19,786,626	49	20.3	29,444
1897.....	518	33,788	20,072,758	65	15.3	38,751
1898.....	438	35,026	18,599,299	80	12.5	42,464
1899.....	597	36,991	23,434,445	62	16.1	39,254
1900.....	611	39,384	25,153,939	65	15.5	41,168
1901.....	422	44,143	26,635,319	104.5	9.6	63,117
1902.....	406	46,005	30,021,300	127	8.8	73,944
1903.....	410	49,814	34,955,400	121	8.2	85,257
1904.....	507	54,774	37,077,897	108	9.3	73,132
1905.....	535	59,230	37,183,374	111	9.0	69,502
1906.....	480	62,283	38,317,581	130	7.7	79,828
Average 24 years	395	36,531	20,922,684	92.5	10.8	52,907

The number of men injured this year is less than for either of the past two years, while the average for the 24 years is less than the total number for any one year since 1892.

The occupation of the injured is shown in the following table by districts:

TABLE 91—*Non-Fatal Accidents, by Occupation, with Totals and Percentages, by Districts.*

OCCUPATION.	DISTRICTS.										Total.	Per- cent- ages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
1 Assistant mine manager.				1							1	0.2
2 Blasters and loaders.								21			21	4.4
3 Cagers.		2				1	7	4		1	15	3.1
4 Carpenters.		1					2	1			4	0.8
5 Car trimmers.		1					2		1		4	0.8
6 Company men.		8	1			1			3	2	15	3.1
7 Drivers.	6	12	7	5	3	12	22	17	3	9	100	20.8
8 Dumper.									1		1	0.2
9 Electrician.									1		1	0.2
10 Fireman.				1	1						2	0.4
11 Greaser.							1				1	0.2
12 Laborers.						1	1				2	0.4
13 Loaders.							1			1	2	0.4
14 Machinists.								1			1	0.2
15 Machine helpers.							1	2			4	0.8
16 Machine runners.					1		5	5	1	1	12	2.7
17 Mine examiners.								1		2	2	0.7
18 Mine manager.								1			1	0.2
19 Miners.	54	57	13	7	16	22	30	12	6	12	231	48.3
20 Motormen.									1	1	2	0.4
21 Pick boy.							1				1	0.2
22 Pit bosses.						1				1	2	0.4
23 Roadmen.	3							2		1	12	2.5
24 Shotfirers.			2			4		2	3	4	15	3.1
25 Shovelers.							2				2	0.4
26 Sinkers.							5				5	1.0
27 Spraggers.		2									2	0.4
28 Timbermen.					1	2	2				5	1.0
29 Topmen.		2						1			3	0.6
30 Trappers.	1	1	1	1	1	2	1		1		9	1.9
Totals.	70	87	34	16	22	47	94	72	21	36	480	100.0
Percentages.	14.6	18.1	7.1	3.3	4.6	9.8	19.6	15.0	4.4	7.5	100.0	

Table 93—Concluded.

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State	Per centages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
10 Electric motors.....						2			5	1	6	1.35
11 Falling bale of hay.....		1									1	0.21
12 Falling coal in mine.....	15	20	4		4	3	24	14	2	5	97	20.21
13 Falling door.....										1	1	0.21
14 Falling down.....					1						1	0.21
15 Falling from cars.....			1			2			1		4	0.82
16 Falling from roof.....							1				1	0.21
17 Falling from scaffold.....							2				2	0.41
18 Falling from tower.....		1									1	0.21
19 Falling pipe.....									1		1	0.21
20 Falling clod, rock, slate.....	46	22	7	4	13	7	14	23	4	6	156	32.59
21 Falling through chute.....							1				1	0.21
22 Falling timbers.....	1	1				1			1	1	5	1.04
23 Flying coal.....	2				1	2		3	1		9	1.88
24 Flying wrench.....		1									1	0.21
25 Gas explosion.....						3			2	2	7	1.46
26 Iron bail.....							1				1	0.21
27 Jack screw.....							2				2	0.41
28 Jumping from cages.....		1					2				3	0.62
29 Jumping from pile props.....		1									1	0.21
30 Mining machines.....							2	2	2	1	7	1.46
31 Mule and prop.....							1				1	0.21
32 Mule, kicked by.....			1				3	2		1	7	1.46
33 Mule running away.....				1							1	0.21
34 Nail in foot.....			1								1	0.21
35 Pick in foot.....										1	1	0.21
36 Pit cars.....	4	18	7	8	3	13	22	21	4	12	110	22.98
37 Prop track.....							1				1	0.21
38 Powder explosion.....	1	1	1	3		3				1	9	1.88
39 Premature blasts.....						1					1	0.21
40 Railroad cars.....		1		1						1	3	0.62
41 Shaker screen.....								2			2	0.41
42 Sheave wheel.....							1				1	0.21
43 Steam pipe bursting.....		1									1	0.21
44 Tail chain.....						1				1	2	0.41
45 Track rail.....							2				2	0.41
Totals.....	70	97	24	16	23	47	94	72	21	36	490	100.00
Percentages.....	14.30	19.79	4.90	3.20	4.70	9.59	18.84	14.30	4.29	7.29	100.00	

This list shows 45 distinct causes resulting in the injuries sustained by the whole number; twenty-four of these causes each resulted in the injury of only one man, leaving 21 causes accountable for the injury of 456 persons or 95 per cent of the whole number. Falling coal, rock, etc., in the mines, with pit cars, constitute 76 per cent of all the causes. This class of accidents resulting primarily from the use of powder used in blasting coal, is next presented, together with the accidents from falls in the mines and all other causes combined, by districts:

TABLE 94—*Non-Fatal Accidents Caused Primarily by Explosions, Falling Coal, Rock, etc., and by Other Causes, by Districts, for the Year 1906, and for the Five Preceding Years.*

DISTRICTS AND YEARS.	CAUSES—USE OF POWDER.					Total from blasts.	OTHER CAUSES.		Total from other causes.	Total from all causes.
	Blast ex- plosions.	Blast pre- mature.	Blown out charges.	Powder ex- plosions.	Flying coal.		Falling coal, rock, etc.	Miscellaneous.		
First.....				1	2	3	61	6	67	70
Second.....	*1			1		2	58	27	85	87
Third.....			2	1		3	11	10	21	24
Fourth.....				2		2	4	10	14	16
Fifth.....					1	1	17	5	22	23
Sixth.....	†3	1	3	3	2	12	10	25	35	47
Seventh.....	3					3	38	43	81	84
Eighth.....	1				3	4	37	31	68	72
Ninth.....	‡3				1	4	6	11	17	21
Tenth.....	§4		1	1		6	11	19	30	36
1906.....	15	1	6	9	9	40	253	187	440	480
1905.....	||16	3	6	15	13	53	269	213	482	535
1904.....	¶12	5	2	29	12	60	264	183	447	507
1903.....	**18	3	12	7	12	52	164	194	358	410
1902.....	††17	1	1	6	5	30	198	178	376	406
1901.....	‡‡3	11	2	5	9	30	233	159	392	422
Six years..	§§81	24	29	71	60	265	1,381	1,114	2,495	2,760

* Dynamite.

† Gas explosions.

‡ Two gas explosions.

§ Two gas explosions.

¶ Three gas explosions.

¶ Three gas explosions, three fire damp.

** Five gas explosions.

†† Two gas explosions.

‡‡ Gas explosions.

§§ Twenty-three gas explosions; three fire damp; one dynamite.

This table is arranged in form and detail the same as Table 82, which relates to fatal accidents. Of the 480 accidents, it is here shown that 40 or 8.3 per cent was caused by explosions or resulting therefrom; 253 or 52.7 per cent from falls and 187 or 39 per cent from all other causes. In addition to the presentation by districts for the year, the record is given under the same headings for the five previous years.

The foregoing table is reduced to percentages and is shown in the following table:

TABLE 95—Non-Fatal Accidents Caused Primarily by the Use of Powder, Falling Coal and Other Causes.

YEARS.	PERCENTAGES.									
	CAUSES—USE OF POWDER.					Totals from blasts, etc., other causes and all causes.	OTHER CAUSES.		TOTALS.	
	Blast ex- plosions.	Blast pre- mature.	Blown out charges.	● Powder explosions.	Flying coal.		Falling clod, coal, rock.	Miscellan- eous.	Use of pow- der, etc.	Other causes.
1906.....	37.50	2.50	15.00	22.50	22.50	100.00	57.50	42.50	8.33	91.67
1905.....	30.19	5.66	11.32	28.30	24.53	100.00	55.81	44.19	9.90	90.10
1904.....	20.00	8.34	3.33	48.33	20.00	100.00	59.66	40.94	11.83	88.17
1903.....	34.62	5.77	23.08	13.46	23.07	100.00	45.81	54.19	12.68	87.32
1902.....	56.67	3.33	3.33	20.00	16.67	100.00	52.66	47.34	7.39	92.61
1901.....	10.00	36.67	6.66	16.67	30.00	100.00	59.44	40.56	7.11	92.89

is shown that non-fatal accidents from the use of powder this considerably less than for either of three previous years. The of non-fatal accidents from falling roof and sides and from all uses for a series of 24 years is shown in the following table:

6—Non-Fatal Accidents from Falling Roof and Sides, and Causes, with Percentagse Caused by Falling Roof—24

YEAR.	NON-FATAL ACCIDENTS.			
	Total.	Falling roof and sides.	All other causes.	Per cent caused by falling roof or sides.
.....	231	130	101	56.28
.....	197	135	62	68.53
.....	176	118	58	67.00
.....	171	109	62	63.74
.....	180	124	56	68.88
.....	179	112	67	62.58
.....	201	129	72	64.17
.....	294	196	98	66.66
.....	367	227	140	61.85
.....	370	234	136	63.25
.....	403	254	149	63.03
.....	521	294	227	56.43
.....	605	338	267	55.87
.....	672	373	299	55.51
.....	518	310	208	59.85
.....	438	252	186	60.87
.....	597	335	262	56.12
.....	611	323	288	52.86
.....	422	233	189	55.21
.....	406	198	208	48.77
.....	410	190	220	46.34
.....	507	264	243	52.07
.....	535	271	264	50.66
.....	480	253	227	52.71
.....	9,491	5,402	4,089	56.92

otal number injured in the coal mines for the past 24 years was eing an average of 395 for each year. Of the total number cent received their injuries from falling coal, rock etc., in the eaving 43.1 per cent attributed to all other causes.

The subject of accidents in mines is closed by the presentation of both the fatal and non-fatal casualties in parallel columns for the past 24 years, with the percentages of the killed and injured from falls for each year and for the entire period:

TABLE 97—Total Number Killed and Injured, with Percentages of all Accidents Caused by Falling Roof or Sides for Twenty-four Years.

YEARS.	NUMBERS.			PER CENT BY FALLING ROOF AND SIDES.		
	Killed.	Injured.	Total.	Killed.	Injured.	Total.
1882..	130	232	362	38	55.28	47.7
1883..	46	198	244	38.5	58.33	68.75
1884..	39	179	218	32.3	57	61.18
1885..	52	171	223	62.5	58.71	62.33
1886..	41	189	230	52.3	58.89	62.77
1887..	56	179	235	58	58.59	62.97
1888..	42	201	243	62.9	62.17	62.73
1889..	52	234	286	62.9	58.68	62.85
1890..	60	303	363	55	52.38	62.89
1891..	57	379	436	49.1	58.25	62.35
1892..	60	400	460	52.6	58.03	62.32
1893..	72	522	594	52.3	56.42	58.32
1894..	75	505	580	50.7	55.87	58.59
1895..	77	572	649	53.3	55.51	58.55
1896..	60	515	575	56.7	58.85	62.68
1897..	75	434	509	57.33	58.87	62.33
1898..	81	593	674	50.71	56.12	58.68
1899..	81	511	592	54.3	52.86	58.1
1900..	81	422	503	56.43	55.22	58.46
1901..	81	406	487	55.55	48.77	58.1
1902..	106	410	516	50.62	46.34	47.53
1903..	137	507	644	49.69	52.07	52.52
1904..	139	535	674	40.20	50.64	47.92
1905..	155	480	635	54.2	52.7	53.07
Twenty-four years.	2,059	9,491	11,550	52.6	56.9	56.16

Here is shown that 2,059 persons have been killed in the coal mines of Illinois during the past 24 years; while 9,491 have met with accidents more or less ruinous to body or limbs, many being crippled for life.

The increase or decrease in men, tons and fatal and non-fatal casualties is shown by percentages for 24 years in the following table:

TABLE 98—Percentages of Increase and Decrease from Year to Year of Men Employed, Tons Produced, Men Killed and Men Injured for a Series of Twenty-four Years.

YEAR.	MEN EMPLOYED.		TONS PRODUCED.		KILLED.		INJURED.	
	Increase.	De-crease.	Increase.	De-crease.	Increase.	De-crease.	Increase.	De-crease.
1883 to 1884.....	6.83	.....	0.7	.....	.....	65.67	.....	14.72
1885.....	.....	0.5	.....	3.06	.....	15.22	.....	10.66
1886.....	1.57	.....	.....	5.57	33.33	.....	.....	2.84
1887.....	3.71	.....	11.17	.....	.....	21.15	5.26	.....
1888.....	9.72	.....	15.34	.....	34.15	.....	.....	0.56
1889.....	2.26	.....	.....	2.17	.....	23.64	12.29	.....
1890.....	.....	5.00	8.97	.....	26.2	.....	46.27	.....
1891.....	15.31	.....	2.53	.....	13.2	.....	24.83	.....
1892.....	2.07	.....	8.95	.....	.....	5.00	0.82	.....
1893.....	5.23	.....	16.91	.....	21.05	.....	8.92	.....
1894.....	.....	7.78	.....	14.22	4.35	.....	29.28	.....
1895.....	.....	2.06	3.64	.....	4.17	.....	16.12	.....
1896.....	3.42	.....	11.56	.....	2.67	.....	11.07	.....
1897.....	2.22	.....	1.45	.....	.....	10.4	.....	8.04
1898.....	3.66	.....	.....	7.34	8.7	.....	.....	15.44
1899.....	5.61	.....	26.00	.....	12.00	.....	36.3	.....
1900.....	6.47	.....	7.34	.....	1.19	.....	2.35	.....
1901.....	12.1	.....	5.88	.....	7.4	.....	.....	30.9
1902.....	4.21	.....	12.71	.....	7.4	.....	.....	3.8
1903.....	8.28	.....	16.44	.....	57.58	.....	0.99	.....
1904.....	1.00	.....	6.07	.....	0.64	.....	23.66	.....
1905.....	8.14	.....	0.28	.....	26.75	.....	5.52	.....
1906.....	5.15	.....	3.05	.....	.....	22.11	.....	10.28
24 years.....	164.4	.....	216.1	.....	15.67	.....	107.8	.....

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

BROWN COUNTY.

Number	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	M. F. Bates.....	Mt. Sterling	1	100	2 0	Dr.	Hd.	P.-R.	Hd.	Hd.	774
2	Noal Sheerer.....	Ripley.....	1	30	2 0	do	do	do	do	do	245
3	Thomas Lewis.....	do.....	1	30	2 0	do	do	do	do	do	240
4	Geo. Adams.....	Mt. Sterling	1	30	2 0	do	do	do	do	do	200
5	Louis Hedrick.....	do.....	1	30	2 0	do	do	do	do	do	200
6	Ed Six.....	do.....	1	30	2 0	do	do	do	do	do	190
7	J. Hedrick.....	Ripley.....	1	30	2 0	do	do	do	do	do	190
8	J. Howard.....	Mt. Sterling	1	30	2 0	do	do	do	do	do	163
	8 Mines.....										1,694

BUREAU COUNTY.

1	Spring Valley Coal Co., No. 1	Spring Valley.	2	360	3 6	Sh	St.	L. W	Mule	Hd.	271,909
2	Spring Valley Coal Co., No. 2	do.....	2	365	3 6	do	do	do	do	do	241,839
3	El. Third Vein Coal Co., No. 1	Ladd.....	2	460	3 6	do	do	do	do	do	239,830
4	Spring Valley Coal Co., No. 4	Spring Valley.	2	400	3 6	do	do	do	do	do	237,296
5	Spring Valley Coal Co., No. 5	do.....	2	420	3 6	do	do	do	do	do	218,201
6	Spring Valley Coal Co., No. 3	do.....	2	491	3 6	do	do	do	do	do	198,172
7	Marquette Coal Co., No. 1..	Marquette	2	300	2 6	do	do	do	do	do	100,212
8	St. Paul Coal Co., No. 2....	Cherry.....	6	317	5 0	do	do	P.-R.	do	do	75,833
9	Donahue & Moran.....	Sheffield.....	6	75	4 6	Hr.	Ho	do	Hd.	do	7,940
10	Wm. Brandt & Son.....	Mineral.....	6	40	4 6	do	do	do	do	do	4,975
11	James Weare.....	Sheffield.....	6	50	4 6	do	do	do	do	do	2,882
12	Nelson & Scott.....	do.....	6	51	4 6	do	do	do	do	do	2,116
13	Wm. Smith.....	Princeton.....	6	150	4 6	do	do	do	do	do	1,478
14	John Griffith & Son.....	do.....	6	200	4 6	do	do	do	do	do	1,408
15	Thomas Herrington.....	do.....	6	145	4 6	do	do	do	do	do	1,364
16	A. W. Walton.....	do.....	6	150	4 6	do	do	do	do	do	680
17	John Duncan.....	Sheffield.....	6	20	4 6	Sl.	do	do	do	do	602
18	C. W. Riley.....	do.....	6	50	4 3	Sh	do	do	do	do	500
19	A. G. Norien.....	Tiskliwa.....	7	20	3 6	do	do	do	do	do	400
20	Chas. Gotheridge.....	Sheffield.....	6	50	4 3	do	do	do	do	do	240
21	N. Sweringen.....	Neponset.....	6	40	4 4	do	do	do	do	do	80
	21 mines.....										1,547,456

CALHOUN COUNTY.

1	Thomas Press B. Co., No. 1.	Golden Eagle.	1	2.4	Dr.	Ho.	P.-R.	Mule	Hd...	3,000
---	-----------------------------	---------------	---	------	-----	-----	-----	-------	------	-------	-------

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

CASS COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Buckle—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	William Shore.	Chandlerville.	2	64	2.25 ft.	Ho	P. R.	Hd..	Hd...		

CHRISTIAN COUNTY.

[illegible]

CLINTON COUNTY.

[illegible]

EDGAR COUNTY.

1 J. D. Witt Coal Co. No. 1	Paris,	2 100 000 000	2 100 000 000
2 John N. Wellman, No. 1..	do.	2 100 000 000	2 100 000 000
2 mines,			2 100 000 000

FRANKLIN COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

FULTON COUNTY.

Number	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
1	Big Creek Coal Co. No. 2..	St. David....	5	45	5 0 Dr	St	P-R	M-M	Hd..		234,596
2	Maplewood Coal Co. No. 1..	Farmington..	5	85	4 4 Sh	do	do	Mule	do		302,458
3	Monmouth Coal Co. No. 1..	Brereton ..	5	90	4 6 do	do	do	do	do		198,147
4	Maplewood Colliery Co. No. 2	Farmington..	5	145	4 4 do	do	do	do	do		153,562
5	Whitebreast Fuel Co., E	Dunfermline..	5	90	5 0 do	do	do	do	do		141,864
6	Norris Coal Mining Co..	Norris	5	185	4 6 do	do	do	do	do		125,000
7	Applegate & Lewis.....	Cuba	5	90	5 0 do	do	do	M-C	do		70,276
8	Whitebreast Fuel Co.	Dunfermline..	5	90	5 0 do	do	do	Mule	do		63,662
9	Newsam Brothers	Farmington ..	5	90	4 4 do	do	do	M-C	do		50,098
10	East Cuba Coal Mining Co..	Cuba	5	85	5 0 do	do	do	Mu	do		46,700
11	Astoria Woodland Coal Co.	Astoria	5	65	8 0 do	do	do	do	do		30,919
12	Canton Coal Co. No. 1	Canton	5	90	5 0 do	do	do	do	do		29,918
13	Eagle Mining Co. No. 1	do	5	100	5 0 do	do	do	do	do		51,699
14	Farmington Coal Co. No. 1 ..	Farmington..	5	145	4 4 do	do	do	do	do		23,584
15	Canton Union Coal Co.	Canton	5	85	5 0 do	do	do	do	do		21,106
16	Star Coal Co. No. 1	Cuba	5	75	5 0 Sl	do	do	M-C	do		21,072
17	Spoon River Coal Co. No. 1 ..	Ellisville ..	1	36	4 0 Sh	do	do	Mu	do		18,357
18	Monarch Coal & Mining Co	Farmington..	5	82	4 4 do	do	do	do	do		12,398
19	J. A. Riley	Breeds	5	80	4 6 Dr	Mu	do	do	do		9,182
20	Big Creek Coal Co. No. 1....	St. David ..	5	45	5 0 Sh	St	do	do	do		5,487
21	The Galesburg U'n Supply Co	Parrville....	5	40	5 0 Dr	Mu	do	do	do		4,386
22	Big Creek Coal Co. No. 3..	Cuba	5	40	5 0 Sh	St	do	do	do		4,242
23	Easer & Fritz Min'g Co. No 1	Parrville....	5	40	5 0 Dr	Mu	do	do	do		3,000
24	Stand'd Co-operative Co'l Co.	Canton	5	79	4 6 Sh	St	do	do	do		12,420
25	W. D. Myers	do	5	80	4 6 do	do	do	do	do		7,220
26	Wm. Roddis No. 1	Ipava	5	25	6 0 Sl	Mu	do	do	do		4,800
27	G. H. Emberting No. 1.	Ellisville ..	1	40	4 0 Sh	St	do	Hd	do		2,250
28	Frank Alward No. 1.....	Canton	5	30	4 6 Sl	do	do	Mu	do		2,300
29	J. K. Yocum No. 1.....	Lewistown..	2	60	2 6 Sh	Ho	do	Hd	do		3,744
30	L. R. Snider No. 1.	St. David ..	5	40	4 6 Sl	do	do	do	do		3,100
31	W. E. Anderson No. 1	Fairview ..	5	24	4 6 Sh	do	do	do	do		3,000
32	Joseph McLaughlin No. 1...	Canton	5	14	4 6 Sl	do	do	do	do		3,640
33	A. McBroom No. 1.....	do	5	12	4 6 do	St	do	do	do		2,680
34	Wm. Hagey No. 1	Lewistown..	2	100	2 6 Sh	do	do	do	do		2,080
35	C. W. Westfield No. 1....	Canton	5	20	4 6 Sl	do	do	do	do		2,266
36	Anderson, Seville & Stockler.	do	5	24	4 6 Sh	do	do	do	do		2,000
37	A. J. Gunnett No. 1	Fairview ..	5	40	4 6 Dr	Hd	do	do	do		1,456
38	Wages & Burbridge.....	Canton	5	12	4 6 Sl	Ho	do	do	do		1,424
39	Henry Vice No. 1.....	Fairview ..	5	45	4 6 Dr	Hd	do	do	do		1,080
40	Edwin Knickerbocker No. 1..	do	5	30	4 6 do	do	do	do	do		1,000
41	Martin & Son No. 1.	Canton	5	45	4 6 do	do	do	do	do		980
42	J. C. Rowden No. 1.	Cuba	5	30	4 6 do	Ho	do	do	do		920
43	R. E. Gould & Co. No. 1...	Fairview ..	5	60	4 6 Sl	do	do	do	do		630
44	Horace Boozell No. 1	Ipava	1	45	2 6 Dr	Hd	do	do	do		800
45	John Haynes No. 1.....	Canton	5	40	4 6 do	Ho	do	do	do		800
46	P. J. Tingley No. 1.....	Vermont ..	2	27	2 4 Sh	do	do	do	do		800
47	Mordeca Morris No. 1....	Flatt	5	35	4 6 Dr	Hd	do	do	do		600
48	John Parr No. 1.	London Mills.	5	35	4 6 do	do	do	do	do		640
49	Adams & Huff No. 1	Cuba	5	14	4 6 Sl	Ho	do	do	do		640
50	Wm. Murphy & Son No. 1..	Canton	5	30	4 6 Dr	Hd	do	do	do		640
51	J. M. Davis No. 1	Vermont ..	2	22	2 4 Sh	St	do	do	do		640
52	Henry B. Green No. 1	Canton	5	20	4 6 do	Ho	do	do	do		624
53	Wm. Stokes, No. 1	Canton	5	30	4 6 Dr	Hd	do	do	do		600
54	James Mey No. 1.	Lewistown..	2	48	2 6 Sh	Ho	do	do	do		800
55	C. A. Prayall, No. 1.....	Farmington..	5	56	4 0 do	St	do	do	do		794
56	Daniel Williams, No. 1..	Rapatee	5	60	4 0 Dr	Hd	do	do	do		480
57	N. A. Rowden, No. 1	Cuba	5	40	4 6 do	do	do	do	do		480
58	George Gibboney, No. 1..	Ipava	5	30	6 0 do	do	do	do	do		400
59	Harry Dilts	Glassford, R. R. R. No. 6...	5	14	4 6 Sl	Ho	do	do	do		840

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

FULTON COUNTY—Concluded.

[illegible]

GALLATIN COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

HENRY COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	■aft—slop, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both	Total tons.
1	Kewanee C. & M. Co. No. 1.	Kewanee.....	6	106	4 0	Sh	St	P. R.	Mule	Hd	77,535
2	Atlas Coal Co. No. 2.	Galva.....	6	61	4 0	do	do	do	Hd	do	11,060
3	Briar Bluff Coal Co.	Briar Bluff...	1	...	3 0	Dr	Mu	do	Mule	do	3,797
4	Herdien Coal Co. No. 16.	Galva.....	6	50	4 0	Sh	St	do	Hd	do	15,375
5	Kewanee Co-op Coal Co.	Kewanee.....	6	60	4 0	do	do	do	do	do	9,397
6	Bates Bros.	do.....	6	67	4 0	do	Ho	do	do	do	7,428
7	Emil Ahlgren.	do.....	6	20	4 0	Sl	do	do	do	do	5,655
8	Fred Henay.	do.....	6	55	4 0	Sh	do	do	do	do	3,780
9	Matt Atchinson.	do.....	6	20	4 0	Sl	do	do	do	do	3,694
10	John Becker & Son.	do.....	6	25	4 0	do	do	do	do	do	3,010
11	Fairlie Bros. & Co.	Cambridge.	3	136	2 8	Sh	St	do	Mule	do	2,850
12	Thos. Martin & Co.	Kewanee.....	6	66	4 0	do	Ho	do	Hd	do	2,680
13	North Main Coal Co.	do.....	6	56	4 0	do	St	do	do	do	2,477
14	Hartman & Bocroft.	Atkinson.....	3	30	3 0	do	do	do	do	do	2,465
15	E. B. Kay.	do.....	3	28	3 0	do	do	do	do	do	2,094
16	Jeff. Glenn.	Green River...	1	50	3 0	do	Ho	do	do	do	2,040
17	Kewanee Min. & Mfg. Co.	Kewanee.....	6	90	4 0	do	St	do	do	do	1,316
18	Max Groy.	do.....	6	50	4 0	do	Ho	do	do	do	1,186
19	Elzy H. Omel.	Atkinson.....	3	20	3 0	do	St	do	do	do	696
20	Ed. Wells.	Briar Bluff...	1	...	3 0	Dr	Ho	do	do	do	640
21	R. E. Malven.	Kewanee.....	6	45	4 0	Sh	do	do	do	do	560
22	George Martin.	do.....	6	...	4 0	Dr	Hd	do	do	do	510
23	Sam Tharp & Co.	do.....	6	28	4 0	Sl	Ho	do	do	do	500
24	Leo Malven.	do.....	6	30	4 0	do	do	do	do	do	480
25	Joseph Carter.	do.....	6	16	4 0	do	do	do	do	do	428
26	John Summerson.	Coal Valley...	1	...	3 6	Dr	Hd	do	do	do	374
27	H. C. Finch.	Kewanee.....	6	20	4 0	Sl	Ho	do	do	do	340
28	Ed. Kimmerling.	do.....	6	25	4 0	Sl	St	do	do	do	230
29	Wm. Lamb.	do.....	6	20	4 0	do	Ho	do	do	do	40
29 mines.....											162,429

JACKSON COUNTY.

1	Mudd Val. Min. & Mfg. Co. No. 1.	Hallidayboro	7	165	6 3	Sh	St	P. R.	M. C	Hd.	177,911
2	Big Muddy Coal & Iron Co. No. 6.	Murphysboro	3	150	6 3	do	do	do	Mule	Mch.	148,441
3	Big Muddy Coal & Iron Co.	do	2	150	6 6	do	do	do	M. C	do	120,313
4	Inland Coal & Washing Co.	DeSota....	7	60	9 0	do	do	do	Mule	Hd.	88,093
5	Gus Blair Big Muddy Coal Co., No. 1.	Murphysboro	2	125	6 6	do	do	do	M. C	Mch.	54,812
6	Chicago & Carbondale Coal Co., No. 1.	DeSota.....	7	90	9 0	do	do	do	Mule	Hd.	50,000
7	Gartside Coal Co., No. 2.	Murphysboro	2	146	6 6	do	do	do	do	Mch.	46,061
8	Gartside Coal Co., No. 4.	do.....	2	148	6 6	do	do	do	do	do	37,563
9	Big Muddy Coal & Iron Co. No. 9.	do.....	2	150	6 6	do	do	do	do	Hd.	8,512
10	Peacock Coal Co., No. 1.	DeSota.....	7	61	9 0	do	do	do	do	do	6,000
11	Schmidgall Coal Co., No. 1.	Murphysboro	1	120	3 4	do	do	do	do	Mch.	4,120
12	John A. Young.	Oraville.....	2	50	4 0	do	Ho	do	do	Hd.	4,562
13	Elmer Sponcier.	Carbondale.	7	34	7 0	do	St	do	do	do	4,368
14	H. S. Phillips.	do.....	7	25	7 0	do	Ho	do	do	do	2,500
15	W. H. Myers.	do.....	7	40	7 0	do	do	do	do	do	1,500
16	W. R. Campbell.	Vergennes.	2	17	3 6	do	do	do	do	do	1,368

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

JACKSON COUNTY—Concluded.

Number	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope drift	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine hand, machine, both	Total tons.
17	Nisbet & Edwards..	Ava	2	23	4 0 Dr	do	do	do	do	do	1,200
18	John Herman	Oraville	2	23	4 0 Sl	do	do	do	do	do	900
19	David Davidson	Campbell Hill	5	7	2 0 Dr	Hd	do	do	do	do	759
20	J. B. Schimpf	Vergennes	2	50	2 3 Sl	Ho	do	do	do	do	504
21	V. L. Church	Ava	2	55	4 0 do	do	do	do	do	do	336
22	Michael Schafer	do	2	20	4 0 do	do	do	do	do	do	206
22 mines											759,962

JEFFERSON COUNTY.

1	Jefferson County Coal Co.	Mt. Vernon	7	963	4.10	Sh	St	P.-R.	Mule	Hd.	20,293
---	---------------------------	------------	---	-----	------	----	----	-------	------	-----	--------

JOHNSON COUNTY.

1	J. W. Tyler	New Burnside	2	30	3 4 Sl.	Ho.	P.-R	Mule	Hd...	512
2	Edwards & White	do	2	25	3 4 Dr.	Ha.	do.	do.	do.	400
2 mines										912

KANKAKEE COUNTY.

1	The Consol. Coal & Iron Co	Clark City	7	108	4.8	Sh	St	P.-R.	Mule	Hd.	28,419
---	----------------------------	------------	---	-----	-----	----	----	-------	------	-----	--------

KNOX COUNTY.

1	Etherley Coal Co., No. 3	Etherley	6	4 0	Dr	Ho	P R	Mule	Hd.	20,466
2	Galva Coal Co	Wataga	6	88	4 0	Sh	St	do	Hd.	5,320
3	Pendergast Bros	Galesburg	1	100	4 8	do	do	do	do	4,878
4	Rodell & Mitchell	Wataga	6	52	4 0	do	Ho	do	do	3,990
5	Geo. W. Esser	Galesburg	1	108	4 0	do	St	do	do	2,760
6	George Clifford & Son	Altona	6	30	4 0	Sl	Ho	do	do	1,840
7	Hand & Cadwell	Williamsfield	6	10	4 0	do	do	do	do	1,806
8	Albert Wahlberg	Knoxville	3	45	3 0	Sh	do	do	do	1,790
9	Louis Nodine & Son	Wataga	6	30	4 0	Sl	do	do	do	1,312
10	Jesse Hillier	Rapatee	5	3 8	Dr	Hd	do	do	do	1,280
11	Terence McGovern	Oneida	6	50	4 0	Sh	Ho	do	do	1,200
12	Nels Kennedy	Delong	3	3 0	Dr	Hd	do	do	do	1,000
13	Peter Sornberger & Bros	Victoria	6	10	4 0	Sl	Ho	do	do	1,000
14	S. G. McGovern	Oneida	6	46	4 0	Sh	do	do	do	1,560
15	Gus Simpson & Bros	do	6	16	4 0	Sl	do	do	do	960
16	G. W. Bowman	Yates City	6	35	4 6	Sh	St	do	do	936
17	Lindsay Bros	Middle Grove	5	3 8	Dr	Hd	do	do	do	920
18	Charles Spence	Victoria	6	20	4 0	Sh	Ho	do	do	900
19	Ed Peterson	Etherley	6	12	4 0	Sl	do	do	do	728

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

KNOX COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine hand, machine, both.	Total tons
20	John Walsh	Victoria	6	15	4.0	Dr	Ho	P R	Hd.	Hd.	550
21	John Robinson	do.	6	24	4.0	Sh	do	do	do	do	640
22	D. J. Foster	Rapatee	6	3	3.8	Dr	Hd.	do	do	do	800
23	H. E. Bonney	Abingdon	2	10	1.8	Sl	do	do	do	do	580
24	Ben Thorne	Etherley	6	4	4.0	Dr	Ho	do	do	do	520
25	Will Foster	Abingdon	2	4	1.8	Sl	Hd.	do	do	do	480
26	James Nelson	Knoxville	3	40	3.0	Sh	Ho	do	do	do	424
27	John Todd	Victoria	6	4	4.0	Dr	Hd.	do	do	do	400
28	Hankstrom Bros.	Oneida	6	28	4.0	Sh	Ho	do	do	do	400
29	P. Lundeen & Son	Knoxville	3	37	3.0	do	do	do	do	do	404
30	Lee Lomax	Abingdon	2	1	1.8	Dr	Hd.	do	do	do	360
31	N. C. Anderson	Knoxville	3	3	3.0	do	do	do	do	do	344
32	M. Poole	Abingdon	2	1	1.10	do	do	do	do	do	320
33	Bowman Bros.	Yates City	6	27	3.0	Sh	St	do	Mule	do	300
34	J. C. McCullough	Abingdon	2	10	1.8	Sl	Hd.	do	Hd.	do	300
35	Cross & Carson	do	2	1	1.8	Dr	do	do	do	do	240
36	John Myers	Etherley	6	4	4.0	do	do	do	do	do	200
37	Gus Lumberg	Yates City	6	12	4.8	Sl	Ho	do	do	do	300
38	William Fish	Dahinda	6	20	4.0	do	do	do	do	do	180
39	Frank Brown	Knoxville	3	2	2.0	Dr	Hd.	do	do	do	140
40	Chas. Morgan	Oneida	6	20	4.0	Sl	Ho	do	do	do	120
41	John Wilkins	Abingdon	2	6	1.8	do	Hd.	do	do	do	120
42	P. A. Switzer	Wataga	6	4	4.0	Dr	do	do	do	do	120
43	Wm. Nelson	Victoria	6	4	4.0	do	do	do	do	do	120
44	Jacob Burgess	Abingdon	2	1	1.8	do	do	do	do	do	60
45	Frank Quinn	do	2	1	1.8	do	do	do	do	do	40
46	Rimer McGrew	do	2	1	1.8	do	do	do	do	do	40
46 mines											62,296

LASALLE COUNTY.

1	LaSalle Co. Carb. C. Co. No. 1	LaSalle	2	440	3.6	Sh	St	L. W.	Mule.	Hd.	174,288
2	LaSalle Co. Carb. C. Co. Union	do.	2	375	3.6	do	do	do	do	do	150,064
3	Acme Coal Co.	Streator	7	119	6.6	do	do	P. R.	M. C.	do	142,342
4	Oglesby Coal Co. No. 1	Oglesby	2	464	3.6	do	do	L. W.	M. Mo.	do	142,242
5	LaSalle Co. Carb. C. Co., Las.	LaSalle	2	382	3.6	do	do	do	Mule	do	133,163
6	LaSalle Co. C. C. Co. Rockwell	do.	2	390	3.6	do	do	do	do	do	122,097
7	Matthieson & Hegelerzine	do.	5	319	4.6	do	do	P. R.	do	do	116,750
8	Chi. Wll. & Ver. C. Co. No. 2	Streator	2	245	3.6	do	do	L. W.	do	do	109,186
9	Star Coal Co. No. 5	Kangley	7	66	3.0	do	do	P. R.	do	do	88,128
10	Chi. Wllm. & Ver. C. Co. No. 1	Streator	2	212	3.0	do	do	L. W.	do	do	86,107
11	Illinois Zinc Co. No. 1	Peru	2	130	3.0	do	do	do	M. C.	do	73,220
12	James Cahill Estate, No. 1	do.	2	350	3.6	do	do	do	Mule	do	56,099
13	Mrs. E. Hakes, No. 2	Rutland	2	500	3.9	do	do	do	do	do	53,753
14	Star Coal Co. No. 4	Kangley	2	200	3.0	do	do	do	do	do	25,704
15	The Howe Coal Co. No. 1	Streator	7	87	5.0	do	do	P. R.	do	do	33,155
16	Muntz Bros. No. 2	do.	7	61	4.0	do	Hd.	do	do	do	10,919
17	N. Wilmington C. Co. No. 1	Seneca	3	112	3.0	do	Sl	L. W.	do	do	6,935
18	William Francis & Co. No. 1	Streator	7	112	3.0	do	do	P. R.	Hd.	do	4,176
19	Manufacture Coal Co. No. 1	Marionville	2	120	2.10	do	do	L. W.	Mule	do	21,573
20	Evans Bros. No. 1	Streator	7	55	5.0	do	Ho	P. R.	Hd.	do	6,800
21	Joe Sowerly & Co. No. 2	do.	7	50	4.0	Sl	do	do	Mule	do	5,100
22	Haar Bros. No. 1	do.	7	40	4.6	Sh	do	do	Hd.	do	4,896
23	Ed Evans & Co. No. 2	do.	7	60	4.6	do	do	do	do	do	4,000
24	Louis Evans & Son, No. 1	Kangley	7	25	4.0	Sl	do	do	Mule	do	3,480
25	Matthew White, No. 1	Ottawa	2	30	1.8	Sh	do	do	Hd.	do	2,600
26	Nelson & Stokes, No. 1	Streator	7	14	5.0	do	do	do	do	do	2,400
27	Wm. McMillen No. 2	do.	7	34	5.0	do	do	do	do	do	2,200

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

LASALLE COUNTY—Concluded.

[illegible]

LIVINGSTON COUNTY.

[illegible]

LOGAN COUNTY.

1	Latham Coal Co.....	Lincoln	6	290	5.0	Sh	St	P-R	Mule	Hd...	247,885
2	Citizens' Coal Min. Co., No. 1	do.....	5	290	5.0	do	do	do.	do.	do.	112,857
3	Lincoln Mining Co	do.....	6	285	5.0	do	do	do.	M. C.	do.	75,100
4	Howe Coal Co	Mt. Pulaski..	5	280	5.0	da	do	do.	Mule	do.	14,285
4 mines											450,127

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MACON COUNTY.

[illegible]

MACOUPIN COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MADISON COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
1	Mt. Olivé & St'n C. C. No. 2	Staunton..	5	300	7 0	Sh.	St.	P.-R.	Mule	Mch.	349,455
2	Donk Bros. C. & C. Co. No. 1	Donkville	5	125	7 0	do	do	do	Mo.	Hd.	343,184
3	Mt. Olive & St'n C. C. No. 1.	Staunton.	5	252	7 0	do	do	do	do	Mch.	324,232
4	Donk Bros. C. & C. Co. No. 2	Maryville	5	245	7 0	do	do	do	Mule	do	284,325
5	Donk Bros. C. & C. Co. No. 3	Troy	7	290	5 0	do	do	do	Mo.	Hd.	249,520
6	Lumaghi Coal Co. No. 2	Cantine	5	170	7 0	do	do	do	Mule	Mch.	218,414
7	Madis'n Coal Corpor'n No. 4	Glen Carbon	5	130	7 0	do	do	do	do	do	204,931
8	Madis'n Coal Corpor'n No. 2	do	5	110	6 6	do	do	do	do	do	208,199
9	New Staunton Coal Co.	Livingston.	5	287	6 6	do	do	do	do	do	186,490
10	DeCamp Coal Mining Co.	Staunton	5	183	6 6	do	do	do	do	do	138,697
11	Edwardsville Coal Co.	Edwardsville	5	317	6 0	do	do	do	do	do	101,953
12	Lumaghi Coal Co. No. 3	Collinsville	5	155	7 0	do	do	do	do	do	89,726
13	Consolidated Coal Co	do	5	158	7 0	do	do	do	do	do	77,468
14	Consolidated Coal Co	do	5	146	6 6	do	do	do	do	do	64,434
15	Henrietta Coal Co	Edwardsville	5	190	6 0	do	do	do	do	do	49,536
16	Kerns Donnewald Coal Co	Worden.	5	270	7 0	do	do	do	do	do	41,852
17	Consolidated Coal Co	Troy	7	278	5 0	do	do	do	do	Hd.	32,151
18	Interstate Coal Co	Worden.	5	375	6 0	do	do	do	do	Mch.	29,710
19	Home Trade Coal Co.	Edwardsville	5	131	4 0	do	do	do	do	Hd.	13,245
20	Abbey Coal & Mining Co.	Collinsville	5	200	6 0	do	do	do	do	do	9,647
21	Bullock Bros. Coal Co	do	5	170	6 0	do	do	do	do	do	5,809
22	Perry Meyer.	Bethalto	5	55	4 0	do	Ho.	do	Hd.	do	2,400
23	Milfs Bros.	New Douglas	5	436	do	do	St.	do	do	do	2,512
24	Geo. Kabell	Moro	5	97	4 0	do	Ho.	do	do	do	2,104
25	Peter Sydel	North Alton	1	55	2 8	do	do	do	do	do	1,338
26	M. F. Backs	Carpenter.	5	150	6 0	do	do	do	do	do	1,075
27	Frank Eccles	North Alton	1	75	2 6	do	do	do	do	do	900
28	Ernest Rink	Bethalto	5	55	4 0	do	St.	do	do	do	848
29	James M. Hill	do	5	75	4 0	do	do	do	do	do	765
30	John Spencer	do	5	75	4 0	do	do	do	do	do	690
31	Geo. H. Miller	North Alton	1	55	2 6	do	do	do	do	do	538
32	Sam McDonald	Bethalto	5	40	4 0	do	do	do	do	do	460
33	Theo. Schuller	Worden.	5	165	7 0	do	do	do	do	do	431
34	John Richardson	Moro	5	48	4 0	do	Ho.	do	do	do	380
35	F. R. Frerichs	Upper Alton	1	80	2 6	do	do	do	do	do	308
36	M. Meyer	Fosterburg.	5	70	4 0	do	do	do	do	do	182
36 mines											2,031,553

MARION COUNTY.

1	P. & D. M. & Mfg. Co., 3 & 4	Centralia..	5	535	5 0	Sh.	St.	P.-R.	M.-E.	Hd.	400,465
2	Centralia M. & M. Co., No. 2	do	5	576	5 0	do	do	do	do	do	192,639
3	Odin Coal Co., No. 1	Odin	5	714	5 0	do	do	do	do	Mch.	121,858
4	Sandoval C. & M. Co., No. 2	Sandoval	5	800	5 0	do	do	do	Mule	Hd.	54,835
5	Sandoval C. & M. Co., No. 1	do	5	808	5 0	do	do	do	M.-C.	do	40,197
6	Kinmundy Coal Co.	Kinmundy	5	571	4 0	do	do	do	Mule	do	6,486
6 mines											826,280

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MARSHALL COUNTY.

Number.	Name of Operator.	Postoffice address of mine	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable electric.	Mine—hand, machine, both.	Total tons.
1	Devlin Coal Co., No. 1.....	Toluca.....	3	512	2.9	Sh	St.	L.W.	Mo.	Hd.	290,832
2	Wenona Coal Co., No. 1.....	Wenona.....	2	556	2.10	do	do	do	Cable	do	108,735
3	Marquette 3d Vein C.Co.No.2	Sparland ..	2	184	2.6	do	do	do	do	do	30,908
4	Frank A. Barr.....	do	7	65	4.0	Dr	Hd.	P.-R.	Hd.	do	4,540
5	Robert H. Ingram.....	do	7	55	4.0	do	do	do	do	do	1,265
6	W. E. Frisby.....	do	7	62	4.0	do	do	do	do	do	1,209
7	William Bough.....	Henry	7	40	4.0	Sl.	Ho.	do	do	do	640
8	William Lopeman.....	do	7	65	4.0	Dr	Hd.	do	do	do	420
9	Jasper Winseberger.....	Chillicothe ..	7	72	4.5	do	do	do	do	do	400
10	Daniels & Martell	Henry.....	7	37	4.0	do	do	do	do	do	319
11	L. Nighswonger.....	Sparland.....	7	40	4.0	do	do	do	do	do	300
12	John Myers.....	do	7	37	4.0	do	do	do	do	do	180
13	Barnard Lanning.....	do	7	46	4.0	do	do	do	do	do	120
13 mines											437,200

McDONOUGH COUNTY.

1	Rippetoe & Rundel.....	Colchester	2	60	2.6	Sh	St	P. R.	Hd.	Hd.	14,114
2	A. Burney Coal Co.....	do	2	60	2.6	do	do	do	do	do	9,019
3	John Wilson.....	do	2	35	2.4	do	Ho.	do	do	do	5,184
4	Burney & Co.....	do	2	45	2.4	Dr	Hd.	do	do	do	1,914
5	Ralph Oldham.....	do	2	76	2.4	Sh	St.	do	do	do	1,797
6	William Coal Co.....	do	2	65	2.4	Dr	Hd.	do	do	do	1,600
7	Atkinson Bros.....	do	2	40	2.4	do	do	do	do	do	1,243
8	J. C. Kirkbride.....	Vermont	2	25	2.4	Sl.	Ho.	do	do	do	1,150
9	Wm. Hobby.....	Colchester	2	96	2.4	Sh	St	do	do	do	1,068
10	Frank Burdicks.....	Industry	2	29	2.4	do	Ho.	do	do	do	1,000
11	Samuel Oldham.....	Colchester ..	2	60	2.4	Dr	Hd.	do	do	do	960
12	Taylor & Bexson.....	Blandinsville	2	50	2.4	Sh	St	do	do	do	1,040
13	Thos. E. Wilson.....	do	2	55	2.4	do	do	do	do	do	960
14	Wm. H. Robinson.....	Colchester.....	2	58	2.4	do	do	do	do	do	830
15	T. L. Bowman.....	Industry.....	2	37	2.4	do	Ho.	do	do	do	900
16	Michael Humes.....	Colchester.....	2	45	2.4	Dr	Hd.	do	do	do	616
17	Wayland Bros.....	do	2	40	2.4	do	do	do	do	do	581
18	John Berry.....	do	2	60	2.4	Sh	Ho.	do	do	do	640
19	C. Waddill.....	Tennessee	2	55	2.4	Dr	Hd.	do	do	do	528
20	Wm. Kipling.....	Colchester.....	2	60	2.4	do	do	do	do	do	500
21	Wm. Jones.....	do	2	55	2.4	do	do	do	do	do	488
22	Walter Upham.....	do	2	30	2.4	do	do	do	do	do	480
23	Marion McClure.....	do	2	50	2.4	do	do	do	do	do	456
24	Wm. Hulson.....	do	2	30	2.4	do	do	do	do	do	427
25	Reynolds & Lowery.....	do	2	55	2.4	do	do	do	do	do	431
26	Cooper & Stone.....	do	2	40	2.4	do	do	do	do	do	416
27	Wm. Edington.....	Macomb.....	2	25	2.4	Sh	Ho.	do	do	do	402
28	Ala Voters.....	Colchester.....	2	50	2.4	Dr	Hd.	do	do	do	400
29	Lewis Lewis.....	do	2	52	2.4	Sh	Ho.	do	do	do	400
30	Geo. W. Foster.....	do	2	60	2.4	Dr	Hd.	do	do	do	400
31	Fred Curtis.....	Industry	2	32	2.4	do	do	do	do	do	400
32	Harpe & Swanson.....	Colchester.....	2	50	2.4	do	do	do	do	do	375
33	John Betson.....	do	2	30	2.4	do	do	do	do	do	360
34	Russell & Moon.....	do	2	35	2.4	Sh	Ho.	do	do	do	361
35	Frank Voglar.....	Birmingham ..	2	35	2.4	Dr	Hd.	do	do	do	352
36	Ora Barrett.....	Colchester.....	2	35	2.4	do	do	do	do	do	320

Physical Character of Coal Mines, 1906—Continued.

Table 99—Continued.

McDONOUGH COUNTY—Concluded.

Number	Name of Operator	Postoffice address of mine.	Geological number of seam	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Hoisting—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
47	Joseph Bunt	Colchester.	2	30	2 4	Dr.	Hd.	P. R.	Hd.	Hd.	320
48	Bradley Martin.	do.	2	40	2 4	do	do	do.	do.	do.	250
49	Wm. Whalen	do.	2	40	2 4	do	do.	do.	do.	do.	260
50	C. H. Price	Macomb.	2	30	2 4	do	do	do.	do.	do.	252
51	Richard Laity.	Colchester.	2	30	2 4	do	do	do.	do.	do.	251
52	Lee McLure.	do.	2	45	2 4	do	do	do.	do.	do.	244
53	Eli Hilliard	do.	2	45	2 4	do	do	do.	do.	do.	240
54	Isaac Fisher.	do.	2	30	2 4	do	do	do.	do.	do.	240
55	Willis Stoneking.	Fandora.	2	35	2 4	do	do	do.	do.	do.	212
56	Jackson Gilligan	Industry	2	65	2 4	do	do	do.	do.	do.	209
57	George Moon	Colchester	2	50	2 4	do	do	do.	do.	do.	200
58	J. E. Smith	do.	2	40	2 4	do	do.	do.	do.	do.	189
59	Andrew Swanson.	do.	2	50	2 4	do	do	do.	do.	do.	160
60	Wm. Baker	Macomb	2	40	2 4	do	do	do.	do.	do.	160
61	Patrick Whalen	Colchester	2	70	2 4	do	do	do.	do.	do.	160
62	Charles Porter	do.	2	40	2 4	Sh.	St	do.	do.	do.	158
63	King & Peck.	do.	2	35	2 4	Dr.	Hd.	do.	do.	do.	140
64	Anton Loksik.	do.	2	30	2 4	do	do	do.	do.	do.	136
65	John Reeder.	do.	2	50	2 4	do	do	do.	do.	do.	120
66	E. W. Miller	do.	2	40	2 4	do	do	do.	do.	do.	120
67	George McIntire.	Industry	2	40	2 4	do	do.	do.	do.	do.	120
68	J. C. Witchell	Vermont	2	50	2 4	Sl.	do	do.	do.	do.	111
69	Samuel McCord.	Colchester	2	45	2 4	Dr	do	do.	do.	do.	100
70	Jasper Waller.	do.	2	65	2 4	do	do	do.	do.	do.	90
71	Oswald Baird	do.	2	40	2 4	do	do	do.	do.	do.	44
72	Hoar & Foster	do.	2	40	2 4	do	do	do.	do.	do.	40
73	Wm. Russell.	do.	2	35	2 4	Sb	Ho	do.	do.	do.	40
74	George Polonus.	do.	2	30	2 4	Dr	Hd.	do.	do.	do.	40
75	Wm. Webster	do.	2	35	2 4	do	do	do.	do.	do.	40
76	Joseph Stone.	do.	2	40	2 4	do	do	do.	do.	do.	40
77	Fox Brothers	do.	2	40	2 4	do	do	do.	do.	do.	40
67 mines											56,560

McLEAN COUNTY.

1	McLean County Coal Co	Bloomington	5	400	4 0						115,000
2	Colfax Coöperative Coal Co	Colfax	6	400	5 6	Sh	St	L-W	M C	Hd.	26,287
3	Easterly Coal & Mining Co.	Oheneo	6	275	3 6	do	do	do.	do.	do.	11,213
3 mines											152,500

MENARD COUNTY.

1	Greenview Coal Mining Co., No. 1	Greenview	5	109	6 0	Sh	St	P-R	Mo.	Hd.	107,121
2	Athens Mining Co., No. 2	Athens	5	200	6 0	do	do	do.	do.	do.	102,091
3	Wabash Coal Co., No. 2	do.	5	185	6 0	do	do	do.	Mule	do.	92,241
4	Middletown Coal Co., No. 1	Middletown	5	210	6 0	do	do	do.	do.	do.	69,210
5	Tallula Coal Co., No. 1	Tallula	4	185	4 0	do	do	do.	do.	do.	37,086
6	Petersburg Coal Mining Co., No. 1	Petersburg	5	75	6 0	do	do	do.	do.	do.	34,696

Table 00—Continued.

Physical Character of Coal Mines, 1906—Continued.

MENARD COUNTY—Concluded.

[illegible]

MERCER COUNTY.

[illegible]

MONTGOMERY COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MORGAN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine both.	Total tons.
1	T. Wagstaffe...	Murrayville...	5	70	5.0	Sh.	Ho.	P.-R.	Hd.	Hd.	1,730
2	Jac Stoker.....	Arenzville....	1	50	3.6	do.	St.	do.	do.	do.	1,328
2 mines											3,058

PEORIA COUNTY.

1	Clark Coal & Coke Co., A...	Peoria...	5	120	4 6	Sh	St.	P. R.	Mo.	Hd.	146,620
2	Clark Coal & Coke Co., B...	do.	5	130	4 6	do	do.	do.	Mule	do.	70,228
3	Walschlag Coö. Coal Co...	do.	5	92	4 6	Dr	do.	do.	do.	do.	88,208
4	Newsam Bros.....	do.	5	46	4 6	Sh	do.	do.	Cable	do.	68,184
5	Sholl Bros., No. 1.....	do.	5	92	4 6	do	do.	do.	do.	do.	66,524
6	Howard & Taylor....	Edwards...	5	86	4 6	Dr	St.	do.	Mo.	do.	54,546
7	Collier Coö. Coal Co.....	Bartonville	5	82	4 6	Sh	St.	do.	Mule	do.	53,798
8	Newsam Bros.....	Peoria...	5	86	4 6	do	do.	do.	Cable	do.	52,046
9	Vieary Bros.....	do.	5	70	4 6	Dr	do.	do.	do.	do.	35,840
10	W. E. Foley.....	Mapleton...	5	68	4 6	do	do.	do.	Mule	do.	19,764
11	Isaac Wantling & Son...	Peoria...	5	62	4 6	do	do.	do.	do.	do.	18,000
12	Third Vein Coal Co.....	Mapleton...	2	165	4 6	Sh	do.	L. W.	do.	do.	12,946
13	German Coal Co.....	do.	5	80	4 6	Sl.	do.	P. R.	do.	do.	11,481
14	Newsam Bros.....	Peoria...	5	80	4 6	Dr	do.	do.	do.	do.	10,911
15	Edwards Mining Co.....	do.	5	67	4 6	do	Ho.	do.	do.	do.	6,240
16	Reents Bros.....	Kramm...	5	63	4 6	do	do.	do.	do.	do.	6,120
17	Peter Grank.....	Peoria...	5	80	4 6	Sh	St.	do.	do.	do.	5,260
18	Winter Coö. Coal Co., No. 2	Bartonville	5	109	5 0	do	do.	do.	do.	do.	21,600
19	Treasure Coal Co., No. 2...	do.	5	100	5 0	do	do.	do.	do.	do.	20,340
20	Hibbard & Sneddon....	Peoria...	5	75	4 6	do	do.	do.	do.	do.	14,520
21	Hanover Mining Co.....	do.	5	75	4 5	Dr	Ho.	do.	do.	do.	6,428
22	Galloway Coal Co.....	Kingston...	5	70	4 5	do	St.	do.	do.	do.	5,620
23	George Keller & Son....	Bartonville	5	65	4 5	Sh	do.	do.	do.	do.	4,600
24	Winter Coö. Coal Co., No. 1	do.	5	80	5 0	Sl.	do.	do.	do.	do.	4,820
25	Lancaster Landing Coal Co..	Kingston...	5	75	4 5	Dr	Hd.	do.	do.	do.	4,349
26	Ball Coal Co., No. 1....	Bartonville	5	98	4 5	Sh	St.	do.	do.	do.	4,224
27	Patrick Martin, No. 2....	Peoria...	5	90	4 5	do	do.	do.	do.	do.	2,920
28	Crew Bros.....	Chillicothe..				Dr	Hd.	do.	do.	do.	3,600
29	F. P. Schmidt & Sons....	Peoria...	5	90	4 5	do	Ho.	do.	do.	do.	3,560
30	Mohn Coal Co.....	do.	5	90	4 5	Sh	St.	do.	do.	do.	3,500
31	Limestone Coal Co.....	do.	5	130	4 5	do	do.	do.	do.	do.	2,746
32	White Coal Co.....	do.	5	110	4 5	Dr	Ho.	do.	do.	do.	2,610
33	Fair Oaks Coal Co.....	do.	5	90	4 5	Sh	St.	do.	do.	do.	2,400
34	W. J. Burdett.....	Pottstown...	5	80	4 2	Dr	Ho.	do.	do.	do.	1,488
35	J. Staton.....	Mapleton...	5	80	4 5	Sl.	do.	do.	do.	do.	1,400
36	R. Taylor.....	Princeville..	5	65	4 5	Sh	St.	do.	do.	do.	1,300
37	Powell Coal Co.....	Mapleton...	5	80	4 5	Sl.	Ho.	do.	do.	do.	1,162
38	Lally & Heaton.....	Brimfield...	5	60	4 5	Sh	do.	do.	do.	do.	900
39	Wm. Berry.....	Monica.....	5	40	4 5	do	do.	do.	do.	do.	750
40	John Richiger.....	Mapleton...	5	65	4 5	Dr	Hd.	do.	do.	do.	500
41	David Roberts.....	do.	5	60	4 5	Sl.	Ho.	do.	do.	do.	480
42	Higbee & Calwell.....	Princeville	5	70	4 5	Sh	St.	do.	Hd.	do.	300
43	Ed. Seiger.....	Oak Hill....	5	60	4 0	Dr	Hd.	do.	do.	do.	250
44	Third Vein Coal Co., No. 2..	Mapleton...	5	57	4 5	Sl.	St.	do.	Mule	do.	210
45	Bell Coal Co.....	Peoria...	5	60	4 5	Dr	Hd.	do.	Hd.	do.	200
46	Hess Coal Co.....	do.	5	65	4 5	do	do.	do.	do.	do.	190
47	W. Robinson.....	Mapleton...	5	67	4 5	do	do.	do.	do.	do.	188
48	Hand & Ash.....	Brimfield...	5	50	4 5	Sh	Ho.	do.	do.	do.	150
49	R. Culbertson.....	do.	5	52	4 5	do	do.	do.	do.	do.	130

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

PEORIA COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage hand, mule, cable, electric.	Mine—hand machine, both.	Total tons.
50	Joseph Marie . . .	Pottstown . . .	5	60	4 2	Dr.	Hd.	P.-R.	Hd.	Hd.	175
51	J. Rook . . .	Brimfield . . .	5	50	4 5	Sh.	Ho.	do.	do.	do.	170
52	M. Rumble . . .	Peoria . . .	5	65	4 5	Dr.	Hd.	do.	do.	do.	165
53	Fisher & Block . . .	do. . .	5	65	4 5	do.	do.	do.	do.	do.	165
54	Lewis & Berry . . .	Pottstown . . .	5	60	4 2	do.	do.	do.	do.	do.	160
55	F. Taylor . . .	Elmwood . . .	5	61	4 5	Sh.	Ho.	do.	do.	do.	150
56	L. Hearst . . .	Princeville . . .	5	60	5 0	do.	do.	do.	do.	do.	100
57	W. Poole . . .	Edwards . . .	5	57	4 4	Dr.	Hd.	do.	do.	do.	100
58	Schott & Witheral . . .	do. . .	5	60	4 3	do.	do.	do.	do.	do.	90
59	Ash Johnson . . .	Hanna City . . .	5	52	4 5	do.	do.	do.	do.	do.	80
60	J. Green . . .	do. . .	5	50	4 5	do.	do.	do.	do.	do.	80
61	T. Dawson . . .	do. . .	5	51	4 5	Sl.	Ho.	do.	do.	do.	70
62	J. Dempster . . .	Peoria . . .	5	70	4 4	Dr.	Hd.	do.	do.	do.	70
63	A. A. Hammel . . .	Chillicothe . . .	5	60	4 5	do.	do.	do.	do.	do.	65
64	R. Clarkson . . .	Oak Hill . . .	5	60	3 8	do.	do.	do.	do.	do.	60
65	H. A. Belmont . . .	do. . .	5	61	3 8	do.	do.	do.	do.	do.	60
66	J. Dalton . . .	Elmwood . . .	5	60	4 5	Sh.	Ho.	do.	do.	do.	58
67	D. H. Carrin . . .	Oak Hill . . .	5	65	3 8	do.	do.	do.	do.	do.	54
68	Birdus Bros . . .	Peoria . . .	5	75	4 5	Dr.	Hd.	do.	do.	do.	60
69	Thomas Gooden . . .	Mapleton . . .	5	70	4 5	do.	do.	do.	do.	do.	40
70	Black Bros . . .	do. . .	5	65	4 5	do.	do.	do.	do.	do.	40
71	Thomas Jones . . .	Peoria . . .	5	62	4 5	do.	do.	do.	do.	do.	39
72	D. Harris . . .	Hanna City . . .	5	50	4 5	do.	do.	do.	do.	do.	30
73	Thomas Bohanan . . .	do. . .	5	51	4 5	do.	do.	do.	do.	do.	30
74	B. Wolford . . .	do. . .	5	52	4 5	do.	do.	do.	do.	do.	28
75	S. Harper . . .	do. . .	5	48	4 5	do.	do.	do.	do.	do.	26
76	R. Armfield . . .	do. . .	5	41	4 5	do.	do.	do.	do.	do.	24
77	J. Scott . . .	Oak Hill . . .	5	60	4 0	do.	do.	do.	do.	do.	21
78	Ed Slam . . .	do. . .	5	61	4 0	do.	do.	do.	do.	do.	19
79	J. Saunders . . .	Monica . . .	5	56	4 5	do.	do.	do.	do.	do.	25
80	W. Englekey . . .	Peoria . . .	5	59	4 5	do.	do.	do.	do.	do.	22
81	B. Wasson . . .	Monica . . .	5	50	4 5	do.	do.	do.	do.	do.	25
82	A. Myers . . .	Pekin . . .	5	67	4 4	do.	do.	do.	do.	do.	30
83	John Powell & Son . . .	Mapleton . . .	5	50	4 5	do.	do.	do.	do.	do.	31
84	D. Roberts & Son . . .	do. . .	5	51	4 5	do.	do.	do.	do.	do.	23
84 mines											844, 694

PERRY COUNTY.

1	Willis Coal Mining Co., No. 1	Willisville . . .	6	80	6 0	Sh.	St.	P.-R.	M.-M	Both.	272, 765
2	Majestic Coal & Coke Co.	Duquoin . . .	7	400	9 0	do.	do.	do.	do.	Hd.	211, 746
3	Paradise Coal & Coke Co.	do. . .	7	374	9 0	do.	do.	do.	Mule	do.	155, 092
4	Missouri & Illinois Coal Co.	Willisville . . .	6	82	6 0	do.	do.	do.	do.	do.	141, 696
5	White Walnut Coal Co.	Pinckneyville . . .	6	90	6 0	do.	do.	do.	do.	do.	122, 196
6	Duquoin Operating Co.	Duquoin . . .	7	350	9 0	do.	do.	do.	do.	do.	104, 439
7	Hippard Coal Co. . . .	do. . .	6	275	6 0	do.	do.	do.	do.	do.	51, 040
8	Duquoin Fuel Co. . . .	do. . .	6	44	6 0	do.	do.	do.	M. C.	do.	49, 162
9	Greenwood-Davis Coal Co.	do. . .	7	28	9 0	do.	do.	do.	Mule	do.	44, 000
10	Bailey Bros. Coal Co., No. 2.	Sunfield . . .	6	80	5 5	do.	do.	do.	do.	do.	41, 547
11	Little Muddy Coal Co. . .	Tamaroa . . .	6	220	6 0	do.	do.	do.	do.	do.	37, 802
12	Duquoin Coal Co.	Duquoin . . .	6	56	6 0	do.	do.	do.	do.	do.	27, 179

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

ROCK ISLAND COUNTY.

[illegible]

SALINE COUNTY

No.	Coal Co.	No.	Locality	5	300	7	8	Sh.	St.	P.-R.	Mule	Hd.	
1	O'Gara Coal Co.	No. 4	Harrisburg	5	300	7	8	Sh.	St.	P.-R.	Mule	Hd.	90,426
2	O'Gara Coal Co.	No. 5	do	5	130	7	0	do	do	do	do	do	64,383
3	O'Gara Coal Co.	No. 9	do	6	400	3	6	do	do	do	do	do	64,192
4	O'Gara Coal Co.	No. 3	do	5	300	6	0	do	do	do	do	do	53,900
5	Davenport Coal Co., A.	do	do	5	144	8	0	do	do	do	do	H.-M.	51,631
6	O'Gara Coal Co.	No. 7	do	5	125	7	0	do	do	do	do	Hd.	50,681
7	Eldorado Coal Co., No. 1	Eldorado	do	6	400	3	0	do	do	do	do	do	47,414
8	O'Gara Coal Co., No. 5	Harrisburg	do	5	143	7	0	do	do	do	do	do	46,000
9	Galatia Coal Co., No. 1	Galatia	do	6	240	5	8	do	do	do	do	do	36,300
10	O'Gara Coal Co., No. 1	Harrisburg	do	5	122	7	0	do	do	do	do	do	24,300
11	O'Gara Coal Co., No. 8	do	do	5	300	4	5	do	do	do	do	do	22,000
12	O'Gara Coal Co., No. 2	do	do	5	300	5	5	do	do	do	do	do	22,000
13	Harrisburg Big Muddy C. Co.	do	do	5				do	do	do	do	do	11,265
14	National Mining Co., No. 1	Eldorado	do	5	337	6	0	do	do	do	do	do	7,135
15	O'Gara Coal Co., No. 10	Harrisburg	do	6	400	3	0	do	do	do	do	do	2,812
16	Joh S. Ingram	do	do	5	40	7	0	Sl.	Ho.	do	do	do	4,500
17	J. E. Dohyrs	Eldorado	do	5	48	4	0	do	do	do	do	do	504
18	D. Hybee	Mitchellville	do	5	30	4	0	Sl.	do	do	do	do	203
19	Allen Tarillon	Eagle	do	5	45	4	0	do	Hd.	do	do	do	200
20	Lewis Dunn	Stonewort	do	2				3.5	Dr	do	do	do	00
21	J. D. Wilkin	Kedron	do	5				4	0	do	do	do	75
22	Logan Dunn	Mitchellville	do	5				3.5	do	do	do	do	0

22 mines

601,779

Physical Character of Coal Mines, 1906—Continued.

Table 99—Continued.

SANGAMON COUNTY.

Number	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.		Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	Chicago W. & V. C. Co. No. 1	Thayer	5	252	7 11	Sh	St	P-R	E	Mch		244,000
2	Madison Coal Co. No. 6	Divernon	5	318	8 9	do	do	do	do	do	do	241,180
3	Springfield Coal M. Co. No. 2	Riverton	5	250	5 9	do	do	do	do	Mule	Hd.	230,157
4	Ill. Midland Coal Min. Co.	Pawnee	5	325	7 6	do	do	do	do	do	do	210,904
5	Springfield Coal M. Co. No. 5	Springfield	5	250	5 7	do	do	do	do	do	do	188,480
6	Illinois Collieries Co. No. 8	do	5	250	5 9	do	do	do	do	E	do	177,474
7	Capital Coal Co. No. 2	do	5	240	5 9	do	do	do	do	Cable	do	166,206
8	Illinois Midland Coal Co.	Sherman	5	201	6 0	do	do	do	do	Mule	do	154,928
9	Ill. Collieries Co. No. 2	Auburn	5	280	7 6	do	do	do	do	do	do	162,939
10	Springfield C. M. Co. No. 4	Springfield	5	245	5 9	do	do	do	do	do	do	168,364
11	Woodside Coal Co.	do	5	250	5 9	do	do	do	do	do	do	151,544
12	Springfield C. M. Co. No. 1	Riverton	5	230	5 9	do	do	do	do	Cable	do	143,973
13	Tuxhorn Coal Co.	Keys	5	220	5 9	do	do	do	do	Mule	do	132,556
14	Springfield C. M. Co. No. 3	Starnes	5	230	5 9	do	do	do	do	do	do	131,307
15	Chicago Springfield Coal Co.	Springfield	5	235	5 4	do	do	do	do	do	do	130,638
16	West End Coal Co.	do	5	150	5 9	do	do	do	do	E	do	116,677
17	Auburn & Alton Coal Co.	Auburn	5	268	7 6	do	do	do	do	Mule	do	115,640
18	Citizens Coal Mining Co.	Springfield	5	210	5 9	do	do	do	do	do	do	114,586
19	Sangamon Coal Co. No. 2	do	5	265	6 9	do	do	do	do	do	do	114,767
20	Standard Wash. C. Co. No. 2	Bissel	5	220	5 9	do	do	do	do	do	do	107,369
21	Williamsville Coal Co.	Selbytown	5	269	5 8	do	do	do	do	do	do	100,733
22	Cantrall Co-operative C. Co.	Cantrall	5	213	6 0	do	do	do	do	do	do	99,399
23	O'Gara Coal Co.	Springfield	5	250	5 9	do	do	do	do	do	do	92,686
24	Barclay Coal & Min. Co.	Barclay	5	249	5 9	do	do	do	do	do	do	91,243
25	Wabash Coal Co. No. 1	Dawson	5	259	5 0	do	do	do	do	do	do	86,442
26	Black Diamond Coal Co.	Auburn	5	270	7 4	do	do	do	do	E	do	83,964
27	Standard Wash. C. Co. No. 1	Spaulding	5	238	5 9	do	do	do	do	Mule	do	80,079
28	Springfield Co-oper. Coal Co.	Springfield	5	245	5 9	do	do	do	do	do	do	75,800
29	Citizens Coal Co.	do	5	205	6 4	do	do	do	do	do	do	65,899
30	Cora Coal Co.	Andrews	5	220	6 0	do	do	do	do	do	do	33,252
31	Jones & Adams Coal Co.	Springfield	5	245	5 9	do	do	do	do	Cable	do	33,225
32	Springfield Colliery Co.	do	5	250	5 9	do	do	do	do	Mule	do	29,891
33	Mechanicsburg Coal Co.	Mechanicsburg	5	280	5 0	do	do	do	do	do	do	2,719
34	Spring Creek Coal Co.	Springfield	5	160	5 9	do	do	do	do	do	do	16,749
35	Ill. Collieries C. Co. No. 3	Chatham	5	250	7 0	do	do	do	do	do	do	11,845
36	Lincoln Park Coal Co.	Springfield	5	200	5 9	do	do	do	do	do	do	22,473
37	Robert Crichton	Berlin	5	200	5 6	do	do	do	do	do	do	5,000
38	Trutter Coal Co.	Pleasant Plain	5	129	5 8	do	do	do	do	do	do	1,540
39	Cranister & Davis	Salisbury	5	84	5 9	do	Ho	do	do	do	do	840
40	M. U. Whitehurst	do	5	260	5 9	do	St	do	do	do	do	836
40 mines												4 155,481

SCHUYLER COUNTY.

1	Littleton Coal Co. No. 1	Littleton	2	80	2 6	Sh	St	L W	Mule	Hd.		2,533
2	Whellhans & Keer	Rushville	5	50	4 6	do	Ho	P-R	do	do	do	4,200
3	Williams & Clark	do	5	50	4 6	do	do	do	do	do	do	2,000
4	Wm. Cummings	do	5	60	4 6	Sl	St	do	Hd	do	do	1,660
5	E. C. Porter	Lewiston				Dr	Hd	do	do	do	do	900
6	F. W. Croxton	Pleasant View	5	40	4 6	do	do	do	do	do	do	600
7	Ralph Strong	do	5	14	2 6	Sl	do	do	do	do	do	500
8	Simon Parliwood	Littleton		50	2 6	Dr	do	do	do	do	do	200
9	John Cagle	do	2	80	2 6	do	do	do	do	do	do	184

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

SCHUYLER COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet	Thickness of seam—feet and inches	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Hoisting—hand, mule cable, electric.	Mine hand, machine, both.	Total tons.
10	Terry & Wigan	Frederick		40	Dr.	Hd.	P-R	Hd.	Hd.		800
11	Cagle & Spiller	do.		40	do	Ho.	do	do	do	do	950
12	Alfred Wasbey	Pine Grove		40	2 6	do	do	do	do	do	950
13	Geo. Edwards	Huntsville	2	50	2 3	do	do	do	do	do	615
14	Ed. Duffy	Rushville		10	St.						200
14 mines											16,322

SCOTT COUNTY.

1	Chas. McElwee	Winchester	1	60	2 6	Sh	Ho.	P-R	Hd.	Hd.	10,591
2	Wm. H. Bates & Co	do.	1	90	2 4	do	St.	do	Mule	do	5,052
3	Wm. Kund	Bluffs	1		2 6	Sl.	Hd.	do	Hd.	do	1,582
4	Geo. Sellers	Winchester	1		2 6	Dr	do	do	do	do	872
5	John McGuire	Alsey	1		2 6	do	do	do	do	do	800
6	Ed. Berry	Exeter	1	25	2 6	do	do	do	do	do	400
7	Ed. Ramft.	Bluffs	1		2 6	do	do	do	do	do	220
8	Patrick McGuire	Winchester	1		2 6	do	do	do	do	do	220
8 mines											19,933

SHELBY COUNTY.

1	Moweaqua Coal M. Co. No. 1	Moweaqua	5	618	5 0	Sh	St	P-R	Mo	Both	89,046
2	Century Coal Co. No. 1	Tower Hill	6	804	8 0	do	do	do	Mule	Hd.	29,022
3	Widick Bros	Findley	14	104	2 4	do	do	do	Hd.	do	2,087
4	John Anglin	Shelbyville	14	65	2 2	do	do	do	do	do	2,630
5	Brophy Bros	do.	14	70	2 2	do	Ho.	do	do	do	1,634
6	M. R. Williams	do.	14	64	2 2	do	do	do	do	do	624
7	W. F. Gallagher	Mode	14	65	2 4	do	do	do	do	do	600
8	Hickey & Kingston	Shelbyville	14	116	2 2	do	do	do	do	do	596
9	B. F. Stretch	do.	14	80	2 4	do	St	do	do	do	290
10	William Baum	do.	14	70	2 4	do	do	do	do	do	640
11	W. W. Turney	do.	14	98	2 4	do	Hd.	do	do	do	209
11 mines											126,054

STARK COUNTY.

1	Wyoming Coal Co. No. 1	Wyoming	6	85	4 6	Sh	St	P-R	Hd.	Hd.	7,970
2	Higbee & Watson	do.	6	60	4 6	do	do	do	do	do	8,771
3	W. B. Ballentine	do.	6	80	4 6	do	Ho.	do	do	do	3,800
4	Jesse Savill	do.	6	70	4 6	Dr.	Hd.	do	do	do	2,083
5	Shady Lane Coal Co	do.	6	130	4 6	Sh	St	do	do	do	2,100
6	Jas. Scott	do.	6	60	4 6	do	Ho	do	do	do	2,000
7	Nicholas Peterson	Bradford	6	100	4 8	do	do	do	do	do	1,080
8	Frank Berfield	Toulon	6	45	4 3	do	do	do	do	do	1,244
9	Robert Carney	Lombardville	6	120	4 6	do	do	do	do	do	1,200

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

STARK COUNTY—Concluded.

Number	Name of Operator	Postoffice address of mine.	Geological number of seam.	Depth of coal feet.	Thickness of seam—feet and inches	Shaft slope, drift.	Hoisting—steam, horse, hand	Long wall, pillar and room.	Haulage band, mule, cable electric.	Mine—band, machine, both	Total tons.
10	Bever Bros.	Wyoming	8	76	4 8	do	do	do	do	do	180
11	Dalrymple Bros.	Neponset	8	80	4 4	do	do	do	do	do	1,100
12	W. W. Jones	Bradford	8	138	4 8	do	do	do	do	do	1,000
13	John Cotton	West Jersey	8	60	4 5	do	do	do	do	do	1,000
14	Cahill & Code	Lombardville	8	130	4 8	do	do	do	do	do	820
15	John S. Taylor	Neponset	8	60	4 4	do	do	do	do	do	810
16	John Thurston	Wyoming	8	75	4 6	do	do	do	do	do	620
17	Charles Charlson	do	8	90	4 8	do	do	do	do	do	600
18	Oscar Bass	do	8	73	4 6	do	do	do	do	do	520
18 mines											24,696

ST. CLAIR COUNTY.

1	St. L. & O'Fallon C. Co., No. 1	East St. Louis	8	100	6 0	Sh	St	P-R	Mule	Hd.	255,463
2	St. L. & O'Fallon C. Co., No. 2	do	8	197	6 0	do	do	do	do	Mch.	251,515
3	Consolidated Coal Co., No. 17	Collinsville	8	165	6 0	do	do	do	do	do	212,626
4	Southern C. & M. Co., No. 6	Belleville	8	180	6 0	do	do	do	do	Hd.	159,261
5	Royal Coal & Mining Co.	do	8	190	7 0	do	do	do	do	Mch.	168,572
6	Superior Coal & Mining Co.	do	8	188	6 0	do	do	do	do	do	148,909
7	Suburban Coal & Mining Co.	do	8	180	6 0	do	do	do	do	Hd.	141,241
8	Prairie Coal Co.	do	8	200	7 0	do	do	do	do	do	120,000
9	Jos. Taylor Coal Co.	O'Fallon	8	210	7 0	do	do	do	do	Mo.	115,221
10	International Coal & M. Co.	do	8	210	7 0	do	do	do	do	do	108,883
11	Jos. Taylor Coal Co.	do	8	210	7 0	do	do	do	do	Mch.	106,182
12	Southern C. & M. Co., No. 1	Belleville	8	200	7 0	do	do	do	do	do	101,907
13	Jos. Taylor Coal Co.	O'Fallon	8	200	7 0	do	do	do	do	Hd.	90,840
14	Koib Coal Co.	Mascoutah	8	180	6 0	do	do	do	do	do	88,000
15	Southern C. & M. Co., No. 3	Belleville	8	175	7 0	do	do	do	do	Mch.	87,862
16	Fullerton Coal Co.	do	8	160	7 0	do	do	do	do	Hd.	61,000
17	Consolidated Coal Co.	Collinsville	8	160	7 0	do	do	do	do	Mch.	77,731
18	Southern Coal & M. Co., No. 8	Belleville	8	200	7 0	do	do	do	do	do	77,474
19	Madison Coal Corp., No. 7	Ogles	8	185	7 0	do	do	do	do	Hd.	74,486
20	Boarders Coal Co., No. 1	Marissa	8	80	7 0	do	do	do	do	do	72,575
21	Breese-Trenton Coal Co.	Trenton	7	200	5 0	do	do	do	do	do	65,840
22	Summit Coal & M. Co.	Belleville	8	190	7 0	do	do	do	do	do	65,590
23	Belleville & O'Fallon C. Co.	do	8	120	6 0	do	do	do	do	do	65,250
24	Valley Coal Co.	Mascoutah	8	113	6 0	do	do	do	do	Mch.	62,809
25	Johnson Coal Co.	Marissa	8	120	7 0	do	do	do	do	Hd.	60,575
26	Missouri & Illinois Coal Co.	Rentchler	8	130	7 0	do	do	do	do	do	56,123
27	Marissa Coal Co.	Marissa	8	120	7 0	do	do	do	do	Cable	54,969
28	Jones Bros. Coal Co.	do	8	114	7 0	do	do	do	do	Mule	50,768
29	Hibbard Coal Co., No. 1	Belleville	8	75	7 0	do	do	do	do	Mch.	50,169
30	Southern Coal & M. Co., No. 7	do	8	140	6 0	do	do	do	do	Hd.	49,619
31	Southern Coal & M. Co., No. 4	do	8	187	7 0	do	do	do	do	Mch.	47,084
32	Avery Coal Co.	Freeburg	8	150	7 0	do	do	do	do	Hd.	44,808
33	Glendale Coal & M. Co.	Belleville	8	160	6 0	do	do	do	do	Mo.	44,500
34	Boarders Coal Co., No. 2	Marissa	8	90	6 5	do	do	do	do	Mule	44,383
35	Pittsburg Mining Co.	Belleville	8	175	7 0	do	do	do	do	do	43,675
36	Terre Coal & M. Co.	Lenzburg	8	191	7 0	do	do	do	do	do	42,439
37	L. Senior	Belleville	8	55	6 0	do	do	do	do	do	37,817
38	Enterprise Coal Co.	Rentchler	8	120	6 0	do	do	do	do	do	36,827
39	Highland Coal Co.	Belleville	8	130	6 0	do	do	do	do	do	36,610

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

TAEWELL COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand machine, both.	Total tons.
1	Tazwell Coal Co., No. 1.	Pekin.	5	120	4 0 Sh	St	P. R.	Mule	Hd.		61,746
2	Phoenix Coal Co., No. 1	Peoria.	5	100	4 0 do	do	do	do	do	do	44,553
3	Erie Star Coal Co.	do.	5	85	4 0 Sl.	do	do	do	M. C.	do	22,192
4	Grant Bros.	Pekin.	5	100	4 0 Sh	do	do	do	Mule	do	14,100
5	Eastern Coal Co.	Peoria.	5	75	4 0 do	do	do	do	do	do	23,533
6	Carter's Coal Mining Co.	do.	5	29	4 0 Sl.	do	do	do	do	do	14,533
7	Manhattan Fuel Co.	East Peoria	5	105	4 0 do	do	do	do	do	do	7,000
8	A. B. Cummings	do.	5	22	4 0 do	do	do	do	do	do	5,710
9	Doering Coal Mining Co.	do.	5	60	4 0 Sh	Ho.	do	do	do	do	5,400
10	Champion Coal Co.	Pekin.	5	209	4 0 do	St	do	do	do	do	4,902
11	Giebelhausen & Son.	Peoria.	5	94	4 0 do	Ho.	do	do	do	do	4,630
12	Bohlander Bros.	Pekin.	5	180	4 0 do	St	do	do	do	do	4,184
12 mines											212,533

VERMILION COUNTY.

1	Dering Coal Co. No. 1	Westville	6	210	7 0 Sh	St	P. R.	M. E.	Hd.		304,179
2	Dering Coal Co. No. 2	do.	6	215	6 0 do	do	do	do	H. M.		301,810
3	Kelly Coal Co. No. 4	Danville	6	90	7 0 do	do	do	do	Mch		254,345
4	Kelly Coal Co. Pawnee	do.	6	90	8 0 do	do	do	do	C. M.	Hd.	182,310
5	Kelly Coal Co. No. 5	do.	6	90	7 0 do	do	do	do	Mule	do	157,060
6	Kelly Coal Co. Himrod	do.	6	105	6 0 do	do	do	do	M. E.	H. M.	114,111
7	Electric Coal Co. Electric	do.	7	100	6 0 do	do	do	do	Mule	Hd.	81,292
8	Dering Coal Co. No. 3	Westville	6	197	6 0 do	do	do	do	do	do	55,062
9	Kelly Coal Co. No. 2	Danville	6	210	7 0 do	do	do	do	M. E.	do	52,656
10	Chicago Collieries Co. No. 10	Carlton	7	166	6 0 do	do	do	do	do	do	53,637
11	Consolidated Coal Co.	Fairmount	7	208	5 0 do	do	do	do	Mule	do	60,920
12	Economy Coal Co. Econ	Danville	7	85	6 0 do	do	do	do	do	do	45,472
13	E. S. Gray Coal Co. No. 4	do.	7	95	6 0 do	do	do	do	do	do	44,000
14	Oakwood Coal Co.	Oakwood	7	90	6 0 do	do	do	do	do	do	24,667
15	Dering Coal Co. No. 4	Westville	6	204	6 0 do	do	do	do	do	do	23,214
16	Mauck Bros. No. 2	Danville	7	100	6 0 Dr	do	do	do	do	do	29,000
17	Salt Fork Coal Co.	Oakwood	6	20	4 0 St		Strip	do	do	do	25,500
18	Hunting Bros.	Grape Creek	6	60	6 0 Dr	M	P. R.	do	do	do	24,500
19	Vermilion Coal Co. No. 1	Georgetown	4	180	6 0 Sh	St	do	do	do	do	9,815
20	John O'Connell Coal Co.	Danville	6	40	7 0 do	do	do	do	do	do	7,132
21	G. H. Haskins	Grape Creek	6	60	7 0 Sl	do	do	do	do	do	1,658
22	Reynolds & Bales	Tilton	7	90	6 0 Dr	Ho.	do	do	do	do	15,000
23	J. H. Pearl	Danville	7	90	6 0 St	St	do	do	do	do	12,000
24	Tilton Coal Co.	Tilton	7	90	6 0 Dr	Ho.	do	do	do	do	12,000
25	Stansburg & Watkins	Danville	7	60	6 0 do	Hd.	do	Hd.	do	do	9,000
26	D. A. Jenkins	do.	7	75	6 0 do	Ho.	do	Mule	do	do	8,500
27	L. S. Miller	do.	6	16	7 0 St		Strip	do	do	do	6,000
28	Joe Mauck	do.	7	100	6 0 Dr	St	P. R.	Mule	do	do	5,500
29	Bryant & Spicer	Grape Creek	6	60	7 0 do	Hd.	do	Hd.	do	do	5,000
30	France Bros	Fairmount	7	50	6 0 Sh	Ho.	do	Mule	do	do	5,000
31	Milles & Spangler	Danville	7	100	5 0 do	do	do	do	do	do	4,200
32	Adolph Roland	Grape Creek	6	30	7 0 Sl	do	do	do	do	do	4,000
33	W. C. Shafer	Danville	7	101	6 0 do	do	do	do	do	do	4,000
34	Lawrence Belduke	Carlton	7	67	6 0 Sh	do	do	do	do	do	4,000
35	A. H. Bonnett	Collision		100	6 0 do	St	do	do	do	do	4,000
36	John Edwards	Vandercook	7	90	6 0 Dr	Ho.	do	do	do	do	2,000
37	Webster Bros	Danville	7	125	6 0 do	do	do	do	do	do	2,100

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

VERMILION COUNTY—Continued.

[illegible]

WARREN COUNTY.

[illegible]

WASHINGTON COUNTY.

1	Gallatin Coal & Coke Co....	Nashville . . .	6	425	6.0	Sh.	St.	P. R.	Mule	Hd..	58,796
2	Adam Kuhn	DuBois.....	6	296	6.0	do	do	..do.	..do.	..do.	35,000
3	Okawville Coal Co	Okawville	6	350	5.5	do	do	..do.	..do.	..do.	2,000
3 mines											95,796

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

WHITE COUNTY.

Number	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine both.	Total tons.
1	Norris City Coal Co	Norris City ..		640	5 0	Sh. St.	P. R	Mule	Hd..		6,685

WILL COUNTY.

1	Murphy, Keenan Co., No. 3 ..	Braidwood ..	2	55	3 5	Sh. St	L-W	Mule	Hd...		50,550
2	Will Co. M. & Mfg. Co., No. 6	Diamond ..	2	80	3 0	do do	do.	do.	do.		37,860
3	Joliet, Wilm. Coal Co., No. 2	Braidwood ..	2	115	3 0	do do	do.	do.	do.		32,232
4	Rikson Coal Co., No. 1 ..	Braceville ..	2	110	3 5	do do	do.	do.	do.		14,927
5	O'Connor & Co., No. 2 ..	Braidwood ..	2	51	3 0	do Ho.	do.	Hd.	do.		5,000
6	Little Wilm. Coal Co., No. 1	do ..	2	40	3 0	do do	do.	do.	do.		1,600
6 mines											141,959

WILLIAMSON COUNTY.

1	Big Muddy C. & L. Co., No. 7	Herrin ..	7	140	9 0	Sh St	P. R	E	Hd.		262,573
2	Chi. & Carterville C. Co., A	do ..	7	180	9 0	do do	do.	do.	Both.		312,482
3	Sunnyside Coal Co., No. 1	do ..	7	145	9 0	do do	do.	do.	do.		289,874
4	Madison Coal Co., No. 8	Dewmain ..	7	90	9 0	do do	do.	Mule	Hd.		281,378
5	Peabody Coal Co., No. 3	Marion ..	7	102	9 0	do do	do.	E	Both.		258,399
6	Western C. Min. Co., No. 1 ..	Bush ..	7	185	9 0	do do	do.	do.	Hd.		228,461
7	Big Muddy C. & L. Co., No. 8	Clifford ..	7	190	9 0	do do	do.	do.	Mule		180,459
8	Carterville Dist. C. Co., No. 1	Marion ..	7	94	8 0	do do	do.	do.	do.		168,978
9	Chi. Big M. C. & C. Co., No. 1	do ..	7	81	9 0	do do	do.	Mule	Hd.		157,692
10	Carterville Coal Co	Carterville ..	7	90	9 0	do do	do.	E	do.		152,163
11	Peabody Coal Co., No. 2	Marion ..	7	80	9 0	do do	do.	Mule	Both.		146,489
12	Chicago-Herrin Coal Co ..	Herrin ..	7	161	9 0	do do	do.	do.	Hd.		139,635
13	J. C. & B. M. C. & M. Co., No. 1	Johnston City.	7	208	9 0	do do	do.	do.	do.		128,022
14	Williamson Co. C. Co., No. 1	do ..	7	150	9 0	do do	do.	do.	do.		115,053
15	Chi. & Marion Coal Co	Marion ..	7	94	8 0	do do	do.	do.	do.		110,649
16	New Virginia Coal Co., ...	Johnston City.	7	119	8 0	do do	do.	do.	do.		90,000
17	Carterville & B. M. C. Co	Cambria ..	7	80	9 0	do do	do.	do.	do.		78,813
18	Donaly & Koennecke C. Co	Carterville ..	7	110	9 0	do do	do.	do.	do.		71,361
19	Carterville & Herrin C. Co	Herrin ..	7	165	9 0	do do	do.	do.	do.		70,504
20	Robert Dick Coal Co.,	Cambria ..	7	81	9 0	do do	do.	do.	do.		66,430
21	Carterville Min. Co., No. 1	Carterville ..	7	161	9 0	do do	do.	do.	do.		62,079
22	Watson Coal Co. No. 1 ..	Herrin ..	7	80	9 0	do do	do.	do.	do.		69,700
23	Carterville Col. Co., No. 2	Carterville....	7	130	9 0	do do	do.	do.	do.		59,167
24	Hafer Washed C. Co., No. 3.	do ..	7	120	9 0	do do	do.	do.	do.		57,560
25	Madison Coal Co., No. 9	Cambria ..	7	140	9 0	do do	do.	do.	do.		54,553
26	Carterville C. Co., A ..	Carterville ..	7	60	9 0	do do	do.	do.	do.		51,783
27	Carterville Min. Co., No. 3.	do ..	7	70	9 0	do do	do.	do.	do.		40,674
28	St. L.-Carterville C. Co.	Herrin ..	7	160	9 0	do do	do.	do.	do.		40,488
29	John'n Cy & Cart'ville C. Co	Johnston City	7	170	9 0	do do	do.	do.	do.		35,146
30	Hafer Washed C. Co., No. 1	Carterville ..	7	65	9 0	do do	do.	do.	do.		19,344
31	Watson Coal Co., No. 2	Herrin ..	7	78	9 0	do do	do.	do.	do.		8,000
32	Beltz Coal Co.,	Carterville ..	7	30	9 0	do do	do.	do.	do.		4,316
33	J. W. Ingram & Son.	Marion ..	6	124	4 0	do do	do.	do.	do.		8,589
34	John A. Young ..	Carterville ..	6	59	7 0	do do	do.	do.	do.		4,562
35	Lake Creek Coal Co., ...	Johnston City.	7	319	10 0	do do	do.	do.	do.		3,000

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

WILLIAMSON COUNTY—Concluded.

[illegible]

WOODFORD COUNTY.

[illegible]

TABLE 100—*Summary of the Physical Character of the Coal Mines of the State, Geological Number of Seams, Manner of Working, Kind of Openings and Tons Produced.*

GEOLOGICAL NUMBER OF SEAM.	Number of Counties	Number of mines.	MANNER OF WORKING.			CHARACTER OF OPENING.				Tons.
			Long wall.	Pillar and room.	Strip.	Shaft.	Slope.	Drift.	Strip.	
1	14	73	1	72	.....	43	9	21	.....	693,708
2	20	191	46	145	.....	98	21	72	.....	5,440,305
3	2	10	.....	10	.....	7	.....	3	.....	12,203
4	1	1	.....	1	.....	1	.....	.....	.....	37,036
5	21	254	4	249	1	149	28	76	1	9,829,466
6	24	335	.....	333	2	260	32	41	2	15,661,702
7	14	130	.....	130	.....	88	17	25	.....	6,580,002
14	1	9	.....	9	.....	9	.....	.....	.....	10,523
Pocket....	1	1	.....	1	.....	1	.....	.....	.....	2,420
Not given	5	14	.....	13	1	7	.....	6	1	50,216
Totals		1,018	51	962	4	663	107	244	4	38,317,581

FIRST INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Grundy, Kankakee, LaSalle and Will.

HECTOR MCALLISTER, *Inspector*, Streator.

HON. DAVID ROSS,
Secretary, State Bureau of Labor Statistics, Springfield, Ill.

SIR—In compliance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of the State inspectors of coal mines and providing for the health and safety of persons employed therein, I have the honor to submit the first annual report of coal mines in the first inspection district as now formed, for the year ending June 30, 1906.

The district includes the coal producing counties of Grundy, Kankakee, LaSalle and Will. The report contains tabulated statements showing the number of mines in operation, both shipping and local; the depth of the mines below the surface, with the geological number and thickness of the various coal seams; the number of new and abandoned mines; the total number of persons at each mine; the tons of lump and other grades of coal produced; the price per ton paid for mining; the value of lump and other grades of coal per ton at the mine, and the aggregate value of the total product; the number of kegs of powder and the number of pounds of dynamite consumed; the casualties in and around the mines, both fatal and non-fatal; the number of wives made widows, and the children left fatherless, caused by casualties in and around the mines; also the number of days of active operation of every mine in the district.

The following is a summary for all the counties in the district:

Total number of mines.....	
Number of shipping mines.....	
Number of local mines.....	
Number of new mines.....	
Number of abandoned mines.....	
Number of miners.....	
Number of others underground.....	
Number of boys underground.....	
Number of employes above ground.....	
Total number of employes.....	
Total tons of coal produced, all grades.....	2,93
Total tons of mine run.....	29
Total tons of lump.....	1,63
Total tons of egg.....	27
Total tons of nut.....	9
Total tons of screenings.....	57
Total tons of slack burned and wasted.....	6
Average value per ton of mine run at the mine.....	\$
Average value per ton of lump.....	
Average value per ton of egg.....	
Average value per ton of nut.....	
Average value per ton of screenings.....	
Aggregate value of total product, all mines.....	\$4,11
Average price paid per gross ton for hand mining, shipping mines.....	\$

Average number of days of active operation, shipping mines.....	207
Number of kegs of powder used.....	21,859
Number of pounds of dynamite used.....	9,831
Tons of coal shipped from the mines.....	2,364,675
Tons supplied to locomotives.....	96,160
Tons sold to local trade, shipping mines.....	142,879
Tons sold to local trade, local mines.....	71,253
Tons sold to local trade, all mines.....	214,132
Tons consumed and wasted at the plant, shipping mines.....	261,368
Number of fatal accidents.....	17
Number of non-fatal accidents.....	70
Number of wives made widows.....	12
Number of children left fatherless.....	42
Tons of coal mined to each fatal accident.....	172,725
Tons of coal mined to each non-fatal accident.....	41,948
Number of employes to each fatal accident.....	417
Number of employes to each non-fatal accident.....	101
Ratio of fatal accidents to each 1,000 persons employed.....	2.4

The following statement gives the coal production by counties now composing the First District, with the increase and decrease in each for the years ending June 30, 1905-1906.

COUNTIES.	TOTAL OUTPUT IN TONS.		Increase.	Decrease.
	1905	1906		
Grundy	1,326,109	1,170,625	.....	155,484
Kankakee	700	28,419	27,719	.....
LaSalle	1,696,853	1,595,327	.....	101,526
Will	128,751	141,959	13,208	.....
Total	3,152,413	2,936,330	40,927	257,010
Net decrease				216,083

The counties of Kankakee and Will show an increase of 40,927 tons over 1905, while Grundy and LaSalle counties show a decrease of 257,010 tons, leaving a net loss for the district compared with 1905 of 216,083 tons. The cause of the decrease in tonnage is due to the strike for the months April and May.

The new apportionment of the counties making ten inspection districts instead of seven, which change went into effect July 1, 1905, transferred Livingston county from the old first district to the new third.

NEW MINES.

In LaSalle county Joseph Warmek and the Lowell Pottery Company have opened new mines at Lowell.

Al. Haskins has opened a new mine west of Ottawa.

ABANDONED MINES.

The Wilmington Coal Mining and Manufacturing Co. has abandoned its No. 5 mine at Diamond, Grundy county.

In LaSalle county, L. D. Brewer; Howell & Baker; Ringer & Hostetter, and Daniel Vazine have abandoned their mines west of Ottawa.

L. D. Morse has abandoned his mine at Lowell.

Lockwood & Dietman have abandoned their mine north of Wilsman.

Oscar Kimes has abandoned his mine southwest of Streator.

CHANGE OF OWNERSHIP.

Joseph Starkey has purchased the mine formerly operated by William Voight, north of Wilsman, LaSalle county.

PROSPECTIVE MINES.

The LaSalle County Carbon Coal Co., LaSalle, LaSalle county, is sinking a new shaft at Cedar Point, about five and one-half miles from LaSalle; it will be known as No. 5 mine. The tower, engine house and boiler room will be of steel, and all other buildings will be built of brick.

The hoisting shaft is now down 136 feet; it is expected to reach coal at a depth of 525 feet; this will be No. 2 seam of the geological section. Both shafts are being sunk at the same time; the hoisting shaft is 16 by 12 feet and three inches; the cages will be 15 feet long. The intention is to hoist two cars on one deck, end on. The shaft when opened will have a capacity for hoisting 2,000 tons in eight hours. This mine is located on a new railroad now being built by the Chicago, Milwaukee & St. Paul Railway Company, from Oglesby to Granville; when completed this will be one of the largest coal shafts in Illinois.

Oscar Kimes is sinking a shaft two and one-half miles northeast of Streator, LaSalle county.

FIRES AT MINES.

Early in the morning of February 17, 1905, fire broke out in the top works of the No. 6 mine of the Wilmington Coal Mining and Manufacturing Co. at Torino, Will county. The tower, shaker screen, railroad scales and fan house at the escapement shaft were destroyed; the fire also extended down both shafts burning out the curbing from top to bottom; the timbers on each side of the bottom, for sixty feet, were also burned out; six mules were suffocated by the smoke. The estimated loss was \$30,000.00.

June 25, 1906, the tippie of the LaSalle County Carbon Coal Co., LaSalle county, was destroyed by fire. The tippie was located on the C., B. & Q. railroad, about 750 feet from the hoisting shaft. The pit cars run down an incline, by the endless chain system, where the coal is dumped into the railroad cars. The loss is estimated at \$4,000.00.

FATAL ACCIDENTS.

July 5, 1905, John Madison, night watchman, aged 60 years, married, employed at the LaSalle shaft of the LaSalle County Carbon Coal Co., was instantly killed at the coal chutes of the Illinois Central railroad, about 300 feet from the shaft. It was the duty of the deceased to coal the engines during the night, but it could not be ascertained how the accident occurred. It is supposed, however, that, while waiting for an engine to coal he fell asleep, leaning over the railing at the top of chutes, and fell to the railroad track below, a distance of 30 feet; his body was found sometime afterwards, his head having been severed from the body. He leaves a widow and two children.

July 17, 1905. Desire Herrotin, driver, aged 24 years, single, was seriously injured in the No. 1 mine of the LaSalle County Carbon Coal Co., LaSalle county. Deceased was coming out with loaded trip, and was sitting on the front end of the car; his head was caught between the roof and the loaded car, fracturing his skull. He was removed to the hospital where he died the following day.

August 14, 1905. John Underko, driver, aged 30 years, married, was severely injured by being crushed between two pit cars, in the No. 1 mine of the Chicago, Wilmington & Vermilion Coal Co., Streator, LaSalle county. He was removed to the hospital where he died the third day after the accident. He leaves a widow and three children.

September 1, 1905. George Plasko, miner, aged 39 years, married, was seriously injured by falling rock in the No. 2 mine of the C. W. & V. Coal Co., Streator, LaSalle county. Deceased was removed to the hospital where he died October 14. He leaves a widow.

September 9, 1905. Charles Bendeno, miner, aged 28 years, married, was instantly killed by falling rock at the face of his working place in the No.

3 mine of the Big Four Wilmington Coal Co., Eileen, Grundy county. He leaves a widow and one child.

September 28, 1905. William Brewis, miner, aged 57 years, married, was seriously injured by falling coal at the face of his working place in the No. 2 mine of the C. W. & V. Coal Co., Streator, LaSalle county. The deceased was sitting down, mining, when a piece of coal fell, striking and knocking his head against the building, fracturing his skull. He died about an hour after the accident occurred. He leaves a widow and eight children, three dependent.

September 29, 1905. Joseph Lessay, Jr., miner, aged 17 years, single, was instantly killed by falling rock at his road head, in the No. 6 mine of the Wilmington Coal Mining and Manufacturing Company at Torino, Will county.

October 17, 1905. Matthew Murray, top foreman, aged 48 years, married, was seriously injured about the body; he was caught between two railroad cars at the Rockwell mine of the LaSalle County Carbon Coal Co., LaSalle, LaSalle county. Deceased was removed to the hospital in LaSalle, where he died three hours after the accident. He leaves a widow and two children.

December 30, 1905. John Pulternawitch, miner, aged 45 years, married, was seriously injured by falling coal in the Rockwell mine of the LaSalle County Carbon Coal Company, LaSalle, LaSalle county. Deceased was preparing to set some sprags in the coal when it fell on him breaking his back. He was removed to the hospital in LaSalle, where he died January 11, 1906. Deceased leaves a widow and four children.

January 13, 1906. John Gruber, miner, aged 63 years, married, was killed instantly by falling rock in the Union mine of the LaSalle County Carbon Coal Co., Peru, LaSalle county. Deceased was sitting down mining when a mass of rock fell on him, with the result as stated. He leaves a widow and seven children.

January 26, 1906. Ludwig Kelner, miner, aged 46 years, married, was instantly killed in the Acme shaft of the Acme Coal Company, Streator, LaSalle county. The engineer was letting the men down in the morning, deceased and seven other men were on the cage; the engineer lost control of his engine, letting the men down very fast, when the cage struck the bottom he reversed the engine, the cage was raised about six feet; the head of the deceased struck against the door, breaking his neck. None of the other men were injured. He leaves a widow and two children.

February 12, 1906. John Prouchio, miner, aged 43 years, married, was instantly killed by falling rock on his road head in the No. 5 mine of the Big Four Coal Company, Carbon Hill, Grundy county. Deceased was loading a car, when the rock fell without warning, with the result as stated. He leaves a widow and four children.

February 26, 1906. Louis Pelletto, roadman, aged 24 years, single, was killed instantly by falling rock in the Deer Park mine of the Illinois Zinc Company, LaSalle county. Deceased and his partner, Charles Blow, were brushing a cross-road; the night boss told them to take down the loose rock on the switch before firing the shot in the brushing. Pelletto went to take down the loose rock, his partner told him to stand to one side where the roof was good; deceased replied that it was nothing to be afraid of and stood directly under the rock, knocking the prop out; the rock fell on him with the result as stated.

March 15, 1906. David Frances, driver, aged 26 years, single, was seriously injured by being caught between the roof and a loaded car in the No. 4 mine of the Wilmington Coal Mining and Manufacturing Company, Braidwood, Grundy county. He died one week after the accident occurred.

March 17, 1906. Frank Slipicka, miner, aged 17 years, single, was killed instantly by falling rock at the face of his working place, in the No. 6 mine of the Braceville Coal Company, Braceville, Grundy county. Deceased neglected to properly secure his place with props; he was throwing coal out from the right hand side of his roadway, when the rock fell with the result as stated.

March 23, 1906. Pacific Burns, miner, aged 24 years, single, was seriously injured at the face of his working places by falling rock in the Rockwell

mine of the La Salle Carbon Coal Company, La Salle county. Deceased was taken to the hospital in La Salle, where he died May 16, 1906.

June 20, 1906. Louis Gallo, miner, aged 40 years, married, had his leg broken by falling rock at the face of his working place, in the No. 7 mine of the Wilmington Star Mining Company, Coal City, Grundy county. Gallo was conveyed to his home where the physician in charge stated that his leg would have to be amputated, but Gallo would not consent to have his leg taken off. He died the next morning.

There was one other fatal accident which occurred in the No. 6 mine of the Wilmington Coal Mining and Manufacturing Company at Torino, Will county. George Dare, miner, aged 52 years, married, went into this mine August 31, 1905, to look at the conditions and if the place suited he would apply for work. He had only been in the mine about 15 minutes when a rock fell, killing him instantly. This is not included in the list of fatal accidents as Dare was not an employé of the mine.

The tables of the fatal and non-fatal casualties follow, also the statistical tables by counties, showing the output, prices, values and other detailed information regarding the coal industry of the First district.

Respectfully submitted,

HECTOR MCALLISTER,

State Inspector of Mines, First District, Streator, Ill.

Fatal Casualties—First District—July 1, 1906.

Date.	Name	Age.	Occupation.	Residence. (Town)	Married.	Widows.	Children	Single.	Persons dependent.	Cause of Accident.
1905										
July	5 John Madison	60	Night watch- men	LaSalle	1	1	2			Falling from chutes..
	17 Desire Herotin	24	Driver	do.				1		Roof and pit car...
Aug.	14 John Underko	30	do.	Streator	1	1	3			Pit cars
Sept.	1 George Plasko	39	Miner	do.	1	1				Falling rock.
	9 Chas. Bendano	28	do.	Eileen	1	1	1			do.
	29 William Brewis	57	do.	Streator	1	1	3			Falling coal
	29 Joseph Lessay	17	do.	Godley				1		Falling rock
Oct.	17 Matthew Murray	49	Top foreman	LaSalle	1	1	2			Railroad cars
Dec.	30 Jno. Pulternawvitch	45	Miner	do.	1	1	4			Falling coal
1906										
Jan.	13 John Gruber	63	do.	Peru	1	1	7			do.
	26 Ludwig Keiner	46	do.	Streator	1	1	2			Descending cage.
Feb.	12 John Prouchio	43	do.	Carbon Hill	1	1	4			Falling rock
	26 Louis Pelletto	24	Roadman	Oglesby				1		do.
March	15 David Francis	26	Driver	Braidwood				1		Roof and pit car
	17 Frank Slipicka	17	Miner	Braceville				1		Falling rock
	23 Pacific Brunr	24	do.	LaSalle				1		do.
June	20 Louis Gallo	40	do.	Coal City	1	1	2		2	do.
	Total	17			11	11	35	6	24	

Recapitulation of Fatal Casualties—First District—July 1, 1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Braceville	1	Drivers	3	Descending cage	1	Acme Coal Co.	1
Braidwood	1	Miners	11	Falling coal	3	Braceville Coal Co.	1
Carbon Hill	1	Night watch	1	Falling rock	8	Big Four Wilm. Coal Co.	2
Coal City	1	Roadman	1	Falling from chute	1	C. W. & V. Coal Co.	3
Eileen	1	Top foreman	1	Pit cars	3	Illinois Zinc Co.	1
Godley	1			Railroad cars	1	LaSalle C. C. Co.	6
LaSalle	5					Wilm. Coal M. & Mfg. Co.	2
Oglesby	1					Wilm. Star Mining Co.	1
Peru	1						
Streator	4						
Total	17		17		17		17

Non-Fatal Casualties—First District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905									
July	3 Louis Byrne	40	Oglesby	1		7		8 Ankle injured, falling rock	20
	7 A. Francis	45	Torino	1				Leg broken, falling rock	125
	7 Ceaser Longue	45	S. Wilmington	1				Finger mashed, falling coal	20
	10 Hubert Smith	44	Coal City	1		1		1 Face burned pdr explosion	20
	16 Thomas Murphy	35	Braidwood	1		2		4 Back bruised, falling coal	20
	16 Chas. Doherty	30	Pera	1		2		2 Leg injured, falling rock	20
	21 Thos. Rotegus	30	Spring Valley	1				Toe cut off, falling rock	20
Aug.	1 William Wey	30	LaSalle	1		1		1 Finger mashed, falling rock	20
	3 John Haran	31	Braceville	1		1		Leg dislocated, falling rock	20
	14 Chas. Alerion	28	do	1		2		2 Back bruised, falling rock	20
	17 A. Gallardo	30	S. Wilmington	1				Finger mashed, falling coal	20
	16 Severno Balletti	35	Eleen	1				Shoulder bruised, falling rk	20
	21 William Silvestri, Jr.	17	S. Wilmington	1				Leg injured, falling rock	20
	26 John Jackson	51	Central City	1		2		3 Back bruised, falling rock	20
	29 Barney Pross	25	Braceville	1				Leg broken, falling coal	20
	31 James McVey	35	LaSalle	1		4		5 Back bruised, falling rock	20
Sept	9 John Reynolds	30	Dear Park	1		4		5 Eye put out, flying coal	20
	11 John Maylich	30	LaSalle	1		1		Leg broken, falling rock	20
	14 Louis Castro	30	Coal City	1		1		1 Leg broken, falling rock	120
	20 John Sebeck	25	Braidwood	1		2		4 Finger mashed, falling rock	20
Oct.	3 William Schmidt	45	LaSalle	1		7		2 Leg broken, falling rock	20
	3 Andrew Whitko	25	Central City	1		2		2 Hand bruised, chute apron	20
	10 Peter Dina	40	S. Wilmington	1				Finger mashed, falling coal	20
	17 Joe Mayham	30	Carbon Hill	1				Ankle broken, falling rock	20
	19 John Vrobbie	32	S. Wilmington	1		4		4 Leg broken, falling rock	120
	21 Donnio Bracco	42	Diamond	1		6		7 Finger mashed, falling rock	20
	22 Mike Doyle	40	Braceville	1		6		7 Ankle bruised, falling rock	20
	26 William Cassator	40	Streator	1		2		2 Hand injured, falling coal	20
	21 Frank Yaronimski	20	Pera	1		5		6 Leg injured, falling rock	120
Nov	6 Peter Peredotto	24	Diamond	1				Foot crushed, falling rock	20
	10 D. Zanner	30	Galle	1		2		4 Leg broken, falling timber	20
	9 John Rollins	24	S. Wilmington	1		5		6 Side bruised, falling rock	20
	16 John Corpan	22	Streator	1		1		1 Leg injured, falling coal	20
	25 Stephen Stoker	17	Kangley	1				Leg broken, pit cars	120
	27 Frank Kleski	24	Rutland	1		4		Leg broken, falling rock	120
Dec	2 Leo Dolack	20	Central City	1		2		4 Back injured, falling rock	120
	4 George Palko	25	Streator	1		2		4 Body bruised, falling rock	20
	4 Stany Pevrins	25	Oglesby	1		1		2 Leg broken, falling rock	20
	12 Frank Chomowski	30	LaSalle	1		1		1 Leg broken, falling coal	120
	15 William Lohmer	30	Coal City	2		1		1 Shoulder bruised, falling rk	20
	21 Frank Male	30	LaSalle	1				Leg broken, falling coal	120
	22 Joe Branski	19	Oglesby	1				Leg broken, falling coal	20
1906									
Jan.	7 A. G. Anderson	45	Braceville	1		1		1 Leg broken, falling rock	20
	7 V. Bendervich	30	Kangley	1		4		3 Leg and back inj, fall rock	20
	11 Anton Pale	45	Coal City	1		1		1 Leg injured, falling rock	20
	1 John Gutzardo	22	do	1				Finger mashed, falling coal	20
	1 James Rupp	22	Streator	1				Wrist broken, pit cars	20
	1 Stany Salsinski	35	LaSalle	1				Foot crushed, falling rock	20
	10 Anton Morello	35	Diamond	1		1		2 Leg and bk. bruised, fall rk	20
	20 F. Columbus	40	S. Wilmington	1		1		1 Leg injured, falling rock	120
Feb	17 John Chrobosmo	45	LaSalle	1		1		1 Leg injured, falling rock	20
	19 S. Krawski	30	do	1		2		3 Finger broken, falling rock	20
	24 A. Porous	45	Braidwood	1		1		2 Eye injured, flying coal	20
	25 Frank Korva	40	do	1		3		4 Hand bruised, falling rock	20
	25 Peter Krawski	30	LaSalle	1		1		1 Leg broken, falling rock	20
Mar	1 Andrew Brown	40	Braidwood	1				1 Hand injured, falling rock	20
	4 H. Warkit	41	LaSalle	1		3		4 Leg broken, falling coal	20
	6 Frank Krawski	35	Braidwood	1		1		1 Finger mashed, falling coal	20
	7 A. Krawski	35	LaSalle	1		1		1 Finger mashed, falling coal	20
	11 John Krawski	30	do	1		1		2 Finger mashed, falling rk	20
	15 Peter Krawski	30	Oglesby	1				Finger broken, falling rock	20
	20 John Krawski	30	LaSalle	1				Leg broken, falling rock	20
	21 M. Krawski	40	do	1		3		6 Leg broken, falling rock	20
	26 Samuel Krawski	37	S. Wilmington	1		1		1 Leg broken, falling rock	20
	27 John Krawski	30	Oglesby	1				Leg broken, falling coal	20
	28 A. Krawski	30	S. Wilmington	1				Leg broken, falling rock	20
	30 M. Krawski	30	Kangley	1		3		4 Leg broken, falling rock	20

Non-Fatal Casualties—First District—Concluded.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906								
April 12	B. Gay	28	S. Wilmington	1	2	3	Arm broken, falling rock.	30
May 10	J. Mellendo.	25	Oglesby	1	2	3	Leg broken, pit cars.	3
June 24	P. Blessent	40	S. Wilmington	1	2	3	Ribs broken, pit cars.	3
	Total			47	23	122	147	

*Not recovered July 1, 1906.

Total number of men injured.	70
Not recovered July 1, 1906.	8
Number recovered July 1, 1906.	62
Time lost by men recovered.	4, 115
Average days lost by men recovered.	65.4

Recapitulation of Non-Fatal Casualties—First District—July 1, 1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Braceville	5	Drivers	6	Coal chute	1	Acme Coal Co.	1
Braidwood	6	Miners	54	Falling coal	15	Braceville Coal Co.	9
Carbon Hill	1	Roadmen	9	Falling rock	47	Big Four Wilm. Coal Co.	3
Coal City	5	Trappers	1	Flying coal	1	C. W. & V. Coal Co.	12
Central City	3			Falling timber	1	Illinois Zinc Co.	5
Diamond	3			Pit cars	4	LaSalle County C. C. Co.	15
Deer Park	1			Powder explosion	1	Murphy, Keenan & Co.	5
Elleen	1					Mrs. E. Hakes	1
Godley	1					Oglesby Coal Co.	3
Kangley	3					Star Coal Co.	3
LaSalle	15					Wilm. C. M. & Mfg. Co.	5
Oglesby	6					Wilm. Star Mining Co.	4
Peru	2						
Rutland	1						
Streator	4						
Torino	1						
S. Wilmington	11						
Spring Valley	1						
Total	70		70		70		70

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—First District—July 1, 1906.

NATURE OF INJURIES.	Number	Married.	Single.	Dependents	TIME LOST.	
					Total days	Average days
Ankle injured	2	2		15	74	37.00
Ankle broken	1		1		60	60.00
Arm broken	1	1		2	30	30.00
Body bruised	1	1		4	22	22.00
Back bruised	5	5		15	294	58.80
Eye put out	1	1		5	79	79.00
Eye injured	1	1		3	58	58.00
Elbow bruised	1	1		4	70	70.00
Face burned	1	1		1	35	35.00
Foot crushed	2		2		109	54.50
Fingers mashed	10	6	4	16	294	29.40
Fingers broken	2	1	1	3	126	63.00
Hands injured	3	3		7	132	44.00
Legs broken	23	12	10	30	1,834	107.86
Leg injured	8	7	1	17	298	65.50
Leg dislocated	1		1		40	40.00
Legs and back injured	2	2		7	120	60.00
Ribs broken	2	1	1	3	60	60.00
Shoulder injured	2	1	1	1	78	39.00
Side bruised	1	1		6	56	56.00
Toe cut off	1		1		50	50.00
Totals, average and percentage	■	47	23	141	4,115	68.37

10

Grundy County—First District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MI			
			Mine run.	Lump.	Egg.	Nut.
SHIPPING MINES.						
1	Chi., Wilm. & Ver. Coal Co., No. 2..	S. Wilmington		125,379	23,119	
2	Chi., Wilm. & Ver. Coal Co., No. 1..	do		128,784	18,108	
3	Braceville Coal Co., No. 5	Braceville		106,582		
4	Big Four Wilmington Coal Co., No. 3	Carbon Hill		57,307		22,699
5	Big Four Wilmington Coal Co., No. 6	do		47,846		26,698
6	Big Four Wilmington Coal Co., No. 5	do		76,406		
7	Braceville Coal Co., No. 6	Braceville		74,587		
8	Wilmington Star Mining Co., No. 6	Coal City	30	44,486	1,773	11,354
9	Wilmington Star Mining Co., No. 5	do		38,999		709
10	Wilmington C. M. & M'fg. Co., No. 4r	Diamond		36,607		
11	Wilmington Star Mining Co., No. 7	Coal City		17,135		1,146
Totals			30	754,118	43,000	62,606
LOCAL MINES.						
1	Braidwood-Wilm. Coal Co., No. 1	Braceville		3,000		
2	William Wood	Morris		3,250		
3	Morris Coal Co	do		2,100		
4	Mltchell Bros	do		2,500		
5	J. K. Telfer	do		2,162		
6	Hyrne & Fleming	do		2,000		
7	William Mitchell	do		1,800		
8	Frank Gilbride	do		1,800		
9	J. H. Cryer	do		1,701		
10	James Bell	do		1,350		
11	James Heather	do		900		
12	Max Davidson	do		878		
13	Henry Tasdall	do		896		
Totals				24,337		
Totals--24 mines			30	778,455	43,000	62,606

Mines reported for 1905, 24.
Mines in 1906, 24.

Grundy County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT					EMPLOYEES.			
Stock of waste.	Total.		Tons loaded on cars for shipment	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation	Tons mined by hand.	Average number of miners.	All other employes.	Total Number.
	192,123	\$268,741	180,763		6,008	4,768	194	192,123	354	97	451
	180,877	268,006	180,678		1,028	5,173	195	180,877	370	115	485
	192,318	181,891	124,753		2,800	4,765	218	192,318	227	81	308
4,560	107,559	114,843	102,990			4,560	191	107,559	190	60	250
2,200	102,411	107,413	99,211			3,200	224	102,411	161	51	212
6,000	101,961	110,610	90,361		5,500	6,000	198	101,961	165	54	219
	96,898	142,431	90,727			6,161	230	96,898	170	61	231
2,555	83,119	93,789	80,564			2,555	231	83,119	165	55	230
1,278	54,894	65,318	51,165		2,451	1,278	225	54,894	95	69	164
2,420	49,417	55,594	45,928		1,071	2,420	153	49,417	100	35	135
2,210	32,677	32,200	30,467			2,210	228	32,677	52	41	93
22,222	1,143,144	\$1,438,834	1,080,612		19,451	42,080	205	1,143,144	2,049	719	2,768
	4,000	\$7,760			4,000		190	4,000	6	3	8
	3,322	9,010			3,322		250	3,322	10	2	12
	2,900	5,490			2,900		210	2,900	10	2	12
	2,600	8,995			2,600		180	2,600	7	1	8
	312	6,095			2,312		250	2,312	8	1	9
	2,020	5,520			2,020		208	2,020	6	1	7
	1,900	5,050			1,900		215	1,900	6	1	7
	1,880	5,080			1,880		190	1,880	7	1	8
	1,801	4,778			1,801		168	1,801	5	1	6
	1,650	4,048			1,650		180	1,650	5	1	6
	1,100	2,675			1,100		200	1,100	6	1	7
	1,078	2,085			1,078		155	1,078	4	1	5
	918	2,531			918		154	918	5	1	6
	27,481	887,636			27,481		196	27,481	85	16	101
22,222	1,170,625	\$1,506,470	1,080,612		46,932	42,080		1,170,625	2,134		2,869

Langre: County—Frys. District—1000

OFFICE OF THE					
Number	NAME OF OPERATOR	Postoffice address of the mine	Miles from	County	State
	SHIPPING. MINE				
1	Consolidated Coal & Iron Co	Clay City	21.118	92	24

Mines reported for 1996 1
Mines in 1996 1

Kankakee County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand	EMPLOYEES.		Total. Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	
	25,419	\$43,567	25,342		1,076	2,000	230	25,419	45	18	63 1

LaSalle County—First District—Concluded.

		OUTPUT OF MINE—					
Number.	NAME OF OPERATOR.	Postoffice address of the mine.	Mine run.	Lump.			
					Flgs.	Nut.	Pen or screenings.
SHIPPING MINES.							
1	LaSalle Co. Carbon Coal Co., No. 1	LaSalle	687	96,484	41,372		36,232
2	LaSalle Co. Car. Coal Co., Union	do.	1,008	74,176	41,076		33,809
3	Acme Coal Co.	Streator		79,616		7,419	33,068
4	Oglesby Coal Co., Oglesby	Oglesby	3,690	111,035	3,107	6,500	19,861
5	LaSalle Co. Car. Coal Co., LaSalle	LaSalle	6,885	57,612	40,741		25,501
6	LaSalle Co. Car. Coal Co., Rockwell	do.	3,597	60,939	24,497		23,324
7	Matthiessen & Hegeler Zinc Co., M. & H. Z. Co.	do.	116,750				
8	Chi. Wilm. & Ver. Coal Co., No. 2	Streator		59,257	25,770		18,129
9	Star Coal Co., No. 5	Kangley	2,008	55,056		315	28,474
10	Chi. Wilm. & Ver. Coal Co., No. 1	Streator		28,349	30,426		27,322
11	Illinois Zinc Co. No. 1	Peru	73,230				
12	James Cahill Estate, No. 1	do.		44,990			9,359
13	Mrs. E. Hakes, No. 2	Rutland	16,171	27,404			5,178
14	Star Coal Co., No. 4	Kangley		26,456		2,950	6,358
15	Howe Coal Co., No. 1	Streator	5,728	19,930			7,142
16	Munts Bros., No. 2	do.	3,420	4,899			2,000
17	North Wilmington Coal Co., No. 1	Seneca	6,986				
18	William Francis & Co., No. 1	Streator		2,950			1,226
Totals			239,745	749,332	216,909	17,175	273,234
LOCAL MINES.							
1	Manufacturers Coal Co., No. 1	Marseilles	21,573				
2	Evans Bros., No. 2	Streator		4,144			1,656
3	Joe Sowerby & Co., No. 2	do.	5,000	100			
4	Haar Bros., No. 2	do.		2,880			1,320
5	Ed. Evans & Son, No. 1	do.		2,400			1,000
6	Louis Evans & Son, No. 1	Kangley		3,300			150
7	Matthew White, No. 1	Ottawa		2,400			200
8	Nelson & Stokes, No. 2	Streator		1,920			600
9	William McMillin, No. 2	do.		1,800			600
10	William Voight, No. 1	Wilsman		800			250
11	William G. Francis, No. 1	Streator		600			150
12	Fred Brooker, No. 1	Lowell		750			150
13	William Mertz	Ottawa		500			200
14	Johnson & Hendis	do.		580			60
15	William Botomley, No. 1	Lowell		492			30
16	Adam Crompton	Ottawa		425			30
17	Lowell Pottery Co.	Lowell		300			30
18	John McNeil	Kangley		250			30
19	Joseph Warrick	Lowell		240			30
20	Al. Haskins	Ottawa		175			30
21	George Steele	do.		160			
22	Chas. Hepp	do.		125			15
23	James McCullough	do.		120			10
Totals			26,573	24,521			7,651
Totals 41 mines			266,318	773,853	216,909	17,175	286,885

Mines reported for 1905 45.

New mines 3.

Abandoned mines 7

Mines in 1906 41.

LaSalle County—First District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
93	174,928	\$280,062	167,620		1,797	5,511	206	174,928	268	124	392	1
	150,684	238,796	94,149	27,516	24,090	4,969	218	150,684	243	114	357	2
23,243	143,342	176,191	109,609		10,495	23,348	209	143,342	237	83	320	3
	143,243	224,165	131,615		4,052	7,576	239	143,243	215	106	321	4
1,426	133,165	209,965	75,603	30,382	21,772	5,508	223	133,165	225	115	340	5
	122,997	197,580	119,122			3,875	205	122,997	220	111	331	6
	116,750	175,125				116,750	202	116,750	72	31	103	7
	103,186	138,708	96,320		1,196		225	103,186	180	61	241	8
2,275	98,128	110,081	85,853			2,275	217	98,128	145	40	185	9
	96,107	101,890	78,609		2,099	5,400	230	96,107	145	63	208	10
	73,220	109,830	71,391		636	1,198	304	73,220	99	90	159	11
1,750	58,099	89,793	14,379	22,944	17,028	1,750	230	58,099	133	50	183	12
5,000	53,753	76,840	29,638	15,318	3,802	5,000	155	53,753	112	50	163	13
	35,764	47,632	34,617		1,147		230	35,764	79	29	108	14
308	33,155	58,171	19,490		13,370	306	223	33,155	44	18	62	15
	10,919	18,402	3,420		7,433	78	180	10,919	15	6	21	16
	6,966	13,273	3,847		2,746	293	190	6,966	24	7	31	17
	4,176	6,513	1,760		2,416		165	4,176	8	4		18
34,097	1,536,582	\$2,268,248	1,186,927	96,160	113,966	189,509	217	1,536,582	2,465	1,072	3,537	
	21,573	\$43,148				21,573	150	21,573	65	24	89	1
	5,800	10,110			5,800		230	5,800	9	3	12	2
	5,100	5,200			5,100		225	5,100	7	2	9	3
	4,800	8,912			4,800		204	4,800	6	2	8	4
	4,000	5,760			4,000		175	4,000	6	2	8	5
	3,450	5,675			3,450		172	3,450	5	2	7	6
	2,600	5,000			2,600		300	2,600	6	2	8	7
	2,400	4,368			2,400		160	2,400	5	2	7	8
	2,299	4,149			2,299		128	2,299	6	2	8	9
	1,068	2,062			1,068		160	1,068	4	2	6	10
	990	1,650			990		120	990	7	2	9	11
	870	1,544			870		150	870	4	1	5	12
	700	1,200			700		150	700	3		3	13
	625	1,206			625		160	625	4		4	14
	522	1,023			522		123	522	3		3	15
	445	870			445		180	445	2		2	16
	330	530			330		100	330	3		3	17
	300	550			300		75	300	3		2	18
	260	500			260		100	260	2		2	19
	195	370			195		85	195	2		2	20
	160	320			160		75	160	2		2	21
	140	265			140		110	140	1		1	22
	130	250			130		55	130	2		2	23
	58,745	\$103,878			37,172	21,572	143	58,745	156	46	202	
34,097	1,596,327	\$2,372,626	1,186,927	96,160	151,158	211,062		1,596,327	2,621	1,118	3,739	

Will County—First District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Murphy, Keenan & Co., No. 3.....	Braidwood.....	297	35,154	.....	4,202	9,397
2	Wilm. Coal Mining & Mfg. Co., No. 6.....	Diamond.....	.....	18,011	12,528	.....	5,111
3	Joliet-Wilmington Coal Co., No. 2....	Braidwood.....	2,675	19,114	.....	2,154	7,629
4	Rixson Coal Co., No. 1.....	Braceville.....	1,710	5,385	.....	2,657	3,965
Totals			4,682	77,674	12,528	10,213	26,102
LOCAL MINES.							
1	O'Connor & Co., No. 2.....	Braidwood.....	.....	3,500	.....	.....	1,500
2	Little-Wilmington Coal Co., No. 1....	do.....	.....	1,400	.....	.....	200
Totals .....			.....	4,900	.....	.....	1,700
Totals—6 mines.....			4,682	82,574	12,528	10,213	27,802

Will County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand	EMPLOYEES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment	Tons supplied to locomotives at the mine	Tons sold to local trade	Tons consumed or wasted at the mine			Average number of miners.	All other employees.	Total.	
1,500	50,550	\$69,465	44,160		4,881	1,500	202	50,550	105	34	139	1
2,000	37,650	46,184	34,501		1,149	2,000	182	37,650	85	25	110	2
600	32,232	47,005	30,172		1,400	600	112	32,232	61	25	86	3
.....	14,927	18,585	12,950		398	1,041	150	14,927	30	30	60	4
4,100	135,359	\$181,199	121,792		8,808	5,201	162	135,359	281	114	395	
5,000	\$10,250				5,000		150	5,000	10	2	12	1
1,600	3,700				1,600		140	1,600	7	1	8	2
6,600	\$12,950				6,600		145	6,600	17	3	20	
4,100	141,959	\$195,149	121,792		14,808	5,201		141,959	296	117	415	

Shipping Mines—Recapitulation by Counties—

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Grundy...	11	30	754, 118	48, 000	62, 806	261, 167	22, 222	1, 143, 144	80 84	
Kankakee...	1	27, 113	962		344			28, 419	0 64	
LaSalle...	13	229, 745	749, 832	216, 999	17, 175	279, 224	84, 067	1, 536, 582	0.741	
Will...	4	4, 682	77, 674	12, 528	10, 212	26, 102	4, 160	135, 358	0 84	
Totals and av.....	34	271, 570	1, 582, 086	272, 527	90, 338	566, 503	60, 490	2, 842, 504	80.	

Local Mines—Recapitulation by Counties—

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea screenings.	Slack or waste.		Hand mining.	Machine mining.
Grundy...	13		23, 337			8, 144		27, 481	\$1.294	
LaSalle...	23	26, 573	24, 521			7, 651		58, 745	0.868	
Will.....	2		4, 900			1, 700		6, 600	1.00	
Totals and av.....	38	26, 573	52, 758			12, 495		92, 826	\$1.033	
Totals, district—all mines...	72	296, 143	1, 625, 844	272, 527	90, 338	578, 998	60, 490	2, 936, 390	.....

Whole number of mines reported in 1905, 76.
 Number of new mines opened during the year, 8.
 Number of mines abandoned during the year, 7.
 Whole number of mines reported in 1906, 73.

First District—1906.

Average No. of days in op- eration.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
205	1, 143, 144	.....	\$1.30	\$1.5814	\$1.6409	\$1.3137	\$0.3577	.....	2, 049	719	2, 768
220	28, 419	.....	1.51	2.14	.....	1.65	.....	.....	43	25	68
217	1, 536, 582	.....	1.5287	1.7046	1.7121	1.3412	0.8231	.....	2, 465	1, 072	3, 537
162	135, 359	.....	1.468	1.6184	1.365	1.4289	0.6497	.....	281	114	395
207	2, 843, 504	.....	\$1.526	\$1.642	\$1.685	\$1.33	\$0.60	.....	4, 838	1, 930	6, 768

First District—1906.

Average No. of days in op- eration.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
196	27, 481	.....	.....	\$2.64	.....	.....	\$1.121	.....	85	16	101
143	58, 745	.....	\$1.8118	2.01	.....	.....	0.845	.....	156	46	202
145	6, 600	.....	.....	2.50	.....	.....	1.00	.....	17	.....	20
161	92, 826	.....	\$1.818	\$2.3368	.....	.....	\$0.9374	.....	258	65	323
.....	2, 936, 330	.....	.....	.....	.....	.....	.....	.....	5, 096	1, 995	7, 091

Tons of lump coal produced.....	1,689,189
Tons of all other grades combined.....	622,305
Total product in tons of 2,000 pounds.....	2,311,494
Tons shipped on cars at the mines.....	1,917,880
Tons sold to local trade.....	271,554
Tons used for steam purposes at the mines.....	95,989
Tons supplied to locomotives, at the mines.....	26,071
Aggregate value of the total product.....	\$3,318,025
Number of fatal accidents.....	9
Number of non-fatal accidents.....	87
Total number of accidents.....	96
Number of employes to each fatal accident.....	699
Number of employes to each non-fatal accident.....	72
Tons of coal produced to each fatal accident.....	256,832
Tons of coal produced to each non-fatal accident.....	26,569
Tons of coal produced to each miner employed.....	492
Tons of coal produced to each employe, all classes.....	367
Ratio of fatal accidents per 1,000 persons employed.....	1.4

COMPARATIVE TABLE—OUTPUT FOR TWO YEARS.

The product in tons, in the various coal producing counties now in the Second district for the years ending June 30, 1905, and 1906, is shown in the following table:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Bureau	1, 751, 875	1, 547, 456	.....	204, 419
Henry	159, 019	162, 429	3, 410	.....
Knox	68, 981	63, 286	.....	5, 695
Mercer	544, 220	448, 088	.....	96, 132
Rock Island.....	78, 784	74, 021	.....	4, 763
Warren.....	17, 486	16, 214	.....	1, 272
Totals	2, 620, 365	2, 311, 494	3, 410	312, 281
Net decrease—tons .....	.....	.....	.....	308, 871

The county of Henry is the only one to show an increase of tonnage over the year previous, and that increase, only 3,410, while the counties of Bureau, Knox, Mercer, Rock Island and Warren show a decrease of 312,281 tons, making a net decrease for the year ending June 30, 1906, of 308,871 tons. This table is based on the counties that now constitute the Second inspection district. In the report for 1905, the counties of Marshall, Putnam and Stark were included in the Second district, but are now transferred to the Third district, because of the increase in the number of districts from seven to ten, which went into effect July 1, 1905.

NEW MINES.

Many new local mines are opened, and others of the same class, abandoned each year, but it is not thought necessary to make a record of them in this report. One mine only of the shipping class has gone into operation during the year, the St. Paul Coal Company's mine No. 2, located at Cherry, Bureau county. Active coal hoisting operations were commenced in December, 1905, and have already attained, at this writing, September 10, 1906, a daily output of over 1,200 tons. This mine is of the first class, a description of the steel tower, machinery, coal seam, etc., was given in the annual coal report for 1905.

MINES ABANDONED.

No shipping mines have been abandoned during the year. However, two mines have taken rather rapid strides in that direction, the shipping of coal having been discontinued. The Yates City Coal Company's mine, located near Yates City, on the Galesburg and Peoria branch of the C., B. & Q. R. R.,

in Knox county was closed during the summer of 1905, and did not resume business until May, 1906, and then as a local mine only, and is now being operated by the Bowman Brothers of Yates City.

The mine operated by the Silvis Mining Company, near Carbon Cliff, in Rock Island county, having railroad connection with the Davenport, Rock Island & Northern R. R., was abandoned as a shipping mine in September, 1905 and the railroad tracks taken up. It is now operated as a local mine by W. S. Silvis. It is not likely that either of the above will be operated again as shipping mines.

MINES DESTROYED BY FIRE.

On Sunday morning, December 24, 1905, between 8 and 9 o'clock, the tower of the Marquette Third Vein Coal Company's mine, located at Marquette, Puzos county, was discovered to be on fire. Five men were in the mine at the time, making repairs. Messengers were sent down the escape shaft to notify those below of the fire and all got out safely by way of that shaft. The tower proper, trestlework, etc., for a radius of 100 feet around the shaft were completely destroyed. The dynamo, winding engine and engine-room boilers and boiler-room box car loader, shaker screen, fan, for hoist and for engine were saved. The burning timbers from the tower fell down the shaft and ignited the wooden lining, causing the top part of the shaft to cave in, making the destruction quite complete. Sixty-two mules were in the mine at the time and, of course, all were lost. The fire is supposed to have originated in the weight office on the tower, but by what means is unknown, as no one was in the near vicinity at the time. This mine is part of the Devlin estate and was at the time of the fire, and is now in the hands of a receiver. This fact caused considerable delay as to the expediency of reopening the mine. It was finally concluded, however, to do so. Since then, good progress has been made, the shaft has been re-timbered, the tower rebuilt and some time in October 1906, it is fair to assume, coal will again be hoisted from this mine.

COAL TRADE DATA.

The coal business in the Second district continues in a rather depressed condition. It was fully expected that after the complete suspension of work during the months of April and May, 1906, a revival and busy time would follow. The expectations, however, have not been realized, as the mines in the district from June 1 to September 1 have not averaged more than half time. This can be accounted for from the fact that miners, operators and the large coal consumers knew that mining operations would practically cease April for an indefinite period. Therefore the mines were run to their full capacity during the month of March, 1906, and the railroads and other large coal consumers secured as large a surplus as possible to tide them over the suspension, and on June 1 probably one-third of that surplus was still on hand. To give a fair estimate of the annual coal producing capacity of the Illinois coal mines, the tonnage for the month of March is taken and multiplied by 12, which gives the possible output for one year. In this, the Second district the output from the shipping mines alone for the month of March, 1906, was 297,890 tons, this multiplied by 12 gives 3,454,740 tons for the year, or 1,143,940 tons more than was actually produced from mines of all classes during the year ending June 30, 1906.

DEATHS AND ACCIDENTS.

The following is a detailed statement of the fatal accidents that have taken place in the Second Inspection District during the year ending June 30, 1906.

August, 21, 1905. Frank Hollstrom, miner, aged 41 years, married, was killed instantly by falling rock at the face of his working place in the Coal Valley Mining Company's shaft, No. 1, Sherrard, Mercer county. Deceased was working alone in the mine and was in the act of mining out the coal

of a shot when a large mass of the roof fell from between mud slips in the roof, crushing him through the body with the result as stated. The rock that fell on him would weigh about $1\frac{1}{2}$ tons. He leaves a widow and six children.

October 30, 1905. Michael Valavinies, miner, aged 38 years, married, was severely bruised on the back by falling roof at the face of his working place in the Spring Valley Coal Company's shaft No. 2, Spring Valley, Bureau county. Deceased was mining in his room when a fall of roof took place, striking him on the back and seriously bruising him. The injury was such that no thought was entertained that it would have a fatal termination, but he failed to rally, and other complications setting in, as a result of the injury, he died two months after the accident. He leaves a widow and one child in some foreign country, probably Russia.

November 6, 1905. Joseph Bocian, miner, aged 38 years, married, was killed instantly by falling coal at the face of his working place, in Spring Valley shaft No. 1, Spring Valley, Bureau county. Deceased, with a partner, was at work and had a large fall of coal prepared by undermining. Bocian had removed the spraggs to let the coal down. It did not come as soon as he expected, and he was preparing to make a wedge hole to wedge the coal down when it fell suddenly, and he was caught between the falling coal and a standing prop, crushing his breast and body. He was dead when extricated. He leaves a widow and two children.

November 15, 1905. Joseph Gentilini, miner, aged 23 years, single, was killed instantly by falling coal at the face of his working place in shaft No. 4, operated by the Spring Valley Coal Company, Seatonville, Bureau county. From the evidence given at the inquest, it would appear that deceased had prepared a fall of coal and endeavored to take it down, but failed to do so. He commenced to mine the coal to a greater depth and was thus employed when a large mass, about $1\frac{1}{4}$ tons suddenly fell, crushing him through the chest.

December 22, 1905. Frank Manardi, miner, aged 39 years, married, was killed almost instantly by having his head crushed between two empty pit cars in shaft No. 4 of the Spring Valley Coal Company, Seatonville, Bureau county. The driver had brought in two empty cars, and left them securely blocked on a slight grade, where the miners usually went to get their empty cars. There were no eye witnesses to this accident, but it is assumed that deceased went between the empty cars, one of which he was to take into his room, and in doing so displaced the block. This started the front car down a much steeper gradient, deceased going with it, probably riding on the hind end of the car. About 80 feet from where the cars were standing was a switch. At this switch the car left the track, throwing him down, and before he could recover himself, the second car following rapidly down the grade, his head was crushed between the bumpers of the cars. He died shortly afterwards, never having regained consciousness. He leaves a widow and two children.

March 6, 1906. Joseph Barron, driver, aged 22 years, single, was severely crushed through the lower part of the abdomen by being thrown under a moving loaded pit car in shaft No. 2 of the Spring Valley Coal Company, Spring Valley, Bureau county. Deceased was coming out of the main east entry with a trip of two loaded pit cars. Another driver was coming out of the 14th left entry at the same time, when they reached the junction, simultaneously, a collision, of course, took place. Barron was thrown down and the loaded car ran on to him, producing the injuries from which he died next day, 25 hours after the accident.

March 19, 1906. Edward Hamilton, boss driver, aged 34 years, married, was severely crushed through the body by falling under a trip of loaded pit cars in shaft No. 5 of the Spring Valley Coal Company, Dalzell, Bureau count. The duties of deceased were to assist and hurry along the regular drivers whenever required. He went into the northeast section of the mine to look up a driver that seemed late in coming out. He found the driver stuck on a grade. Together they soon got the four-mule team started. Hamilton told the driver to stay by the side of the team and urge the mules along, and he, deceased, would ride on the front car. In stepping onto the car, however, he missed his footing, and fell in front of the trip, and the first car was drawn on top of him before the team could be stopped. Two of

his ribs were broken, and the ends puncturing the lungs, causing internal hemorrhage, from which he died 20 hours later. He leaves a widow and one child.

June 7, 1906. John Roach, miner, aged 55 years, married, was severely injured by coal flying from a premature blast in Cook & Rohrs' local mine, located near Alexis, Warren county. Deceased was working in partnership with his son, a young man about 17 years of age, and according to the son's statement, they had prepared a blast, tamped the hole, and his father had some difficulty in igniting the match to the squib. He had tried to do so two or three times and failed. He held his lamp under the match when the blast suddenly exploded. The loose coal, flying therefrom, struck him on the left side, breaking his thigh and injuring him internally. He died from the injuries received twelve hours later. Deceased and two other miners were all that were employed in the mine. He leaves a widow and six minor children, three of whom, however, can scarcely be classed as dependents.

June 27, 1906. John Rubis, miner, aged 38 years, married, had his back broken by falling roof at the face of his working room in the St. Paul Coal Company's mine No. 2, Cherry, Bureau county. Deceased, in partnership with his brother, was working in a room in the above mine. He had set up a drilling machine on the right hand rib near the face, and was making preparations to drill a hole, when a mass of roof, weighing about 1,600 pounds, suddenly fell, crushing him underneath. He was removed to the hospital at Streator, the home of his family, and lingered until July 19, when he died from the injuries received. He leaves a widow and four children.

Following are the usual tables for each county in the Second inspection district.

Respectfully submitted,

THOMAS HUDSON,
State Inspector of Mines, Second District, Galva, Ill.

Fatal Casualties—Second District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow	Children	Single.	Persons dependent.	Cause of Accident.
1905										
Aug. 31	Frank Hellstrom	42	Miner	Cable	1	1	5			7 Falling roof..
Oct. 30	Mike Valvinties	38	do.	Spring Valley	1	1	1			2 do.
Nov. 6	Joseph Boclan	38	do.	do.	1	1	2			3 Falling coal
Nov. 15	Joseph Gentilini	23	do.	Seatonville.				1		do.
Dec. 23	Frank Manardi	39	do.	do.	1	1	2			3 Pit cars
1906										
Mar. 6	Joseph Barron	22	Driver	Spring Valley				1		Pit car
Mar. 19	Edward Hamilton	34	Boss driver	Dalzell	1	1	1			2 do.
June 7	John Roach	55	Miner	Alexis	1	1	8			7 Flying coal
June 27	John Rubis	38	do.	Cherry	1	1	4			5 Falling roof.

Recapitulation of Fatal Accidents—Second District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Alexis	1	Boss driver	1	Falling coal.	2	Coal Valley Mining Co.	1
Cable	1	Driver	1	Falling roof	3	Cook & Roberts C. Mine.	1
Cherry	1	Miners	7	Flying coal	1	St. Paul Coal Co.	1
Dalzell	1			Pit cars	3	Spring Valley Coal Co	
Seatonville	2						
Spring Valley	3						
Totals	9		9		9		9

Non-Fatal Casualties—Second District—July 1, 1906.

Date	Name.	Age.	Residence. (Town)	Married.	Single	Children	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906									
July	14 Joe Faronas	38	Spring Valley.	1				Foot crushed, falling coal.	150
	17 John Berard.	29	do.	1		3		4 Hand injured, falling coal.	+
	17 Chas Sincoritch	30	do.	1				Leg bruised, pit car	30
	18 John Margo	30	do.	1				Shoulder bruised, fall, coal	30
	19 J. Tomasovitch.	38	Dalzell	1				1 Leg broken, falling coal	120
	24 Mike Rosetti	27	do.	1				1 Finger broken, falling coal	30
	25 Arsenio Grotte.	44	Seatonville.	1		6		7 Hip bruised, falling coal	42
	27 David Sorabilli.	36	Spring Valley	1		2		3 Foot bruised, falling coal.	60
	28 M. Allison	50	do.	1		3		4 Shoulder bruised, fall, roof	57
	29 Anton Alucefski.	55	do.	1		5		6 Rib broken, falling coal	62
Aug.	4 Felice Gorgliardi	37	Seatonville.	1				Body bruised, crowbar	72
	14 Tony Romanello	21	Dalzell	1				Arm broken, pit car.	54
	16 C. Bestramini	45	Spring Valley.	1		6		7 Collar bone broken, fall, ci	65
	19 Joe Fiorini	25	Ladd	1				Foot bruised, falling roof.	42
	21 Joe Gessano.	27	Cherry	1				Eyes blown out, exp. dyn.	+
	24 Ed Capatano	21	Dalzell	1		1		2 Body bruised, pit car.	42
	26 Leonard Keay	23	Seatonville	1		2		3 Legs scalded, steam pipe	47
	11 Joe Bardona	23	Dalzell	1		1		2 Back bruised, falling roof.	50
	16 Barney Alice.	32	Seatonville.	1		3		4 Foot bruised, falling roof.	+
	19 John Engholm.	38	Cable	1		4		5 Shoulder blade bk'n, fall, rf	60
Oct.	27 Geo. Smith	38	Dalzell.	1				1 Ribs broken, falling coal.	+
	1 Gust Larson	52	Kewawee	1				1 Rib broken, falling roof.	40
	2 Phil DeCosta	26	Spring Valley.	1		1		2 Knee bruised, fall, timber	35
	5 Geo Mateovitch.	37	Dalzell.	1				1 Leg broken, falling coal	120
	6 Wm Bilsky	26	do.	1		2		3 Breast crushed, pit car.	155
	17 M Vincenzia.	35	do.	1		1		2 Ankle twisted, jump, off eg	100
	20 Joe Rosnanolia	23	do.	1				Toe broken, falling roof.	34
	23 Ed Siers	52	Seatonville.	1		7		8 Fingers cut off (2) fall, roof	71
	2 Joe Feroni	29	Dalzell	1		7		8 Foot bruised, falling coal	30
	2 Ben Richardson.	19	Wanlock	1				Hand bruised, pit car	30
Nov	8 John Groom	22	Viola	1				1 Ankle bruised, falling coal.	50
	11 J. Capilli.	48	Spring Valley.	1		6		7 Hand bruised, falling roof.	30
	12 Joe Seebeck.	16	Seatonville.	1				1 Finger broken, pit car	45
	18 Joe Lalotolo.	25	Spring Valley	1				1 Knee bruised, bale of hay	55
	18 Joe Ruffalo.	52	do.	1		7		8 Foot crushed, pit car	107
	18 Wm Tiernan.	52	do.	1		5		6 Hand cut, wrench	45
	1 Toney Kutchen.	20	Gilchrist.	1				Body bruised, pit car.	45
	2 Barney Bratoni	26	Dalzell	1				Leg bruised, falling roof.	30
	11 Peter Terrando.	18	Spring Valley	1				1 Finger broken, falling roof	80
	17 Jesse Little	18	Viola.	1				Body bruised, pit car.	45
1906									
Jan	10 Anthony Engst	34	Briar Bluff	1		2		3 Body bruised, falling roof	40
	16 Andrew Bowman	69	Galva	1				1 Body bruised, falling roof	40
	19 Joseph Valtes	39	Cherry	1		3		4 Leg broken, falling roof	42
	20 Jeff Stratton	48	Seatonville	1				1 Foot crushed, pit car	120
	27 John Simpson	47	Dalzell	1		8		9 Foot bruised, falling coal	65
	30 Ernest Petrovitch	30	Cherry	1				Face and hands burned, ex- ploding powder	40
	31 Carlo Machetti	30	Seatonville	1				Leg broken, falling roof	+
	1 Geo Bendetto	34	Spring Valley	1				Leg broken, falling roof	+
	5 Richard Lenehan	17	do.	1				Hand crushed, pit car	120
	8 Wm Achingu	20	do.	1				Foot crushed, pit car	115
Feb.	8 A Ramaniaki	68	do.	1		2		2 Back injured, falling roof	150
	15 Anton Shaffer	18	do.	1				Head cut, falling coal	35
	17 Ed Huff	35	Dalzell	1				1 Ankle injured, jumping from pile of props	+
	18 Adam Skine	27	Spring Valley	1				Shoulder crushed, falling coal	+
	21 Tony Byma	31	Dalzell	1				Foot crushed, falling roof.	110
	26 Christ Edmunds	25	Spring Valley.	1				Foot crushed, falling roof	120
	28 John Barrow	29	do.	1				Body bruised, pit car.	30
	1 Victor Adegro	45	do.	1				Skull fractured, falling coal	+
	3 Henry Challenx.	33	Seatonville.	1		3		4 Leg broken, pit car	100
	5 John Deviatli	20	Spring Valley	1				Legs bruised, falling coal	+
Mar	8 Wm Martin	21	do.	1				Toe broken, pit car	100
	10 F Blandoni	31	Seatonville	1				Foot bruised, falling roof.	+
	10 Martin Picur	45	Spring Valley.	1		4		5 Finger broken, falling roof	60
	12 Anton Yankowski	35	do.	1				Foot bruised, falling roof	60
	12 John Yovavitis	40	Ladd	1		1		2 Hand bruised, falling roof	75
	17 Paul Horvili.	24	do.	1				Foot crushed, falling coal	100

Non-Fatal Casualties—Second District—Concluded.

Date	Name	Age.	Residence (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days
1906									
Mar.	20 Peter Stone..	37	Spring Valley.	1				Head injured, falling roof	56
	29 Frank Boublia ..	33	Seatonville.	1				Leg bruised, falling coal	*
	20 Chas. Seyewakas	24	Spring Valley.	1				Head cut, falling roof	*
	21 E Pisemelio ..	38	do.	1		8	7	Leg injured, falling coal	75
	21 M. Faletti..	33	Seatonville.	1	1			Ankle crushed falling coal	108
	23 Joe Vistars ..	50	Spring Valley.	1		1	2	Back injured, falling coal	103
	24 Joe Rice..	18	Seatonville..	1				Toes broken, falling roof.	*
	27 Anton Venezone..	28	Spring Valley	1		3	4	Toe broken, falling roof...	†
	26 Thos. Carroll.....	18	do.	1	1			Back bruised, falling roof	68
	30 Jno. Dinelli.	34	Dalzell.	1		3	4	Arm cut, falling coal	*
	30 Jas. Clifton.....	45	Spring Valley.	1		3	4	Legs bruised, falling roof.	67
	30 Joe Wilkis.	36	do.	1	1			Foot bruised, pit car.....	*
	30 Louis Grotte..	38	Seatonville ..	1			1	Leg bruised, falling roof..	*
April	2 Thos. B. Docherty...	23	Boden ..	1		1	2	Leg broken, falling roof.	80
May	3 John Johnson ..	21	Etherly ..	1				Back bruised, falling roof.	85
	9 John Boden ..	37	Kewanee.	1		2	3	Leg broken R. R. cars	*
June	2 Chas. Riley ..	30	Spring Valley	1			1	Back bruised, falling roof	*
	7 John Liptack ..	22	Cherry ..	1				Ribs brok'n fall. from tow'r	30
	13 Alex. McKillip ..	74	Viola ..	1			1	Foot bruised, falling coal	*
	15 Peter Navacossi	16	Dalzell ..	1				Head bruised, pit car	*
	16 Raymond Stette ..	50	Spring Valley	1		3	4	Arm broken, falling coal	*
	Totals..			47	40	118	165		

* Not recovered July 1, 1906.

† Left the locality, time of disability could not be ascertained.

Total number of men injured	87
Number not recovered July 1, 1906	16
Number recovered July 1, 1906	64
Total time lost by men recovered—days	4,521
Average time lost by men recovered—days	70.6
Left the locality, time of disability could not be ascertained ..	7

Recapitulation of Non-Fatal Accidents—Second District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Boden	1	Cagers	2	Bursting steam pipe	1	Alden Coal Co	2
Briar Bluff	1	Carpenter	1	Caught between R.		Briar Bluff Coal Co.	1
Cable	1	Car trimmer ..	1	R. cars	1	Docherty's local mine....	1
Cherry	4	Company men.	8	Exploding powder..	1	Empire Coal Co.	3
Dalzell	17	Drivers	18	Falling coal	26	Etherley Coal Co	1
Etherley	1	Miners	57	Falling roof	23	Herdien Coal Co	1
Galva	1	Spraggers	2	Falling timber	1	Illinois 2d Vein Coal Co ..	3
Gilchrist	1	Top men	2	Fell from tower	1	Kewanee Coal Co.	1
Kewanee	2	Trapper	1	Jumping from cage.	1	Kewanee CoSp. Coal Co ..	1
Ladd	3			Jumping from prop		Peterson's local mine....	1
Seatonville	14			pile	1	St. Paul Coal Co	4
Spring Valley..	87			Premature blast		Spring Valley Coal Co....	68
Viola	3			(dynamite)	1		
Wanlock	1			Struck by bale of			
				hay	1		
				Struck by crowbar..	1		
				Struck by pit cars..	17		
				Struck by wrench...	1		
Totals	87		87		87		87

Table Showing List of Non-Fatal Casualties, Nature of Injuries, Time Lost and Percentages—Second District—1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries.
					Total days.	Average days.	
Ankles injured.....	4	3	1	5	266	88.66	4.60
Arms broken.....	2	1	1	4	54	54.00	2.30
Arms injured.....	1	1	.....	4	.....	.....	1.15
Backs injured.....	6	4	2	8	405	81.00	6.89
Bodies injured.....	7	3	4	6	316	45.14	8.05
Breast injured.....	1	1	.....	3	155	155.00	1.15
Collarbone broken.....	1	1	.....	7	65	65.00	1.15
Eyes (both) destroyed.....	1	.....	1	.....	.....	.....	1.15
Face and hands burned.....	1	.....	1	.....	60	60.00	1.15
Feet injured.....	16	7	9	34	1,106	92.17	18.39
Fingers broken.....	4	2	2	6	255	63.75	4.60
Fingers cut off.....	1	1	.....	8	71	71.00	1.15
Hands injured.....	6	4	2	19	303	60.60	6.89
Heads injured.....	4	.....	4	.....	123	61.50	4.60
Hip injured.....	1	1	.....	7	42	42.00	1.15
Knees injured.....	2	2	.....	3	90	45.00	2.30
Legs broken.....	8	6	2	15	538	107.60	9.19
Legs injured.....	8	4	4	15	251	50.20	9.19
Ribs broken.....	4	3	1	8	130	43.33	4.60
Skull fractured.....	1	.....	1	.....	.....	.....	1.15
Shoulderblade broken.....	1	1	.....	5	60	60.00	1.15
Shoulders injured.....	3	1	2	4	95	47.50	3.45
Toes broken.....	4	1	3	4	136	68.00	4.60
Totals.....	87	47	40	165	4,521	70.60	100.00

Bureau County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Spring Valley Coal Co.....	Spring Valley.	18,796	212,462	.....	.....	40,651
2	Spring Valley Coal Co.....	..do.....	17,636	186,007	.....	.....	37,196
3	Illinois Third Vein Coal Co.....	Ladd.....	15,792	183,940	.....	.....	40,088
4	Spring Valley Coal Co.....	Spring Valley.	25,362	170,784	.....	.....	41,150
5	Spring Valley Coal Co.....	..do.....	1,334	184,721	.....	.....	32,146
6	Spring Valley Coal Co.....	..do.....	355	114,948	.....	.....	22,870
7	Marquette Coal Co.....	Marquette....	4,710	72,755	7,716	.....	15,031
8	St. Paul Coal Co.....	Cherry.....	.....	50,428	.....	.....	24,907
Totals			83,985	1,176,043	7,716	.....	255,049
LOCAL MINES.							
1	Donahue & Moran.....	Sheffield.....	.....	6,940	.....	.....	1,000
2	Wm. Brandt & Son	Mineral.....	.....	4,975	.....	.....	.....
3	James Weare.....	Sheffield.....	.....	2,882	.....	.....	.....
4	Nelson & Scott.....	..do.....	.....	2,116	.....	.....	.....
5	Wm. Smith.....	Princeton.....	.....	1,478	.....	.....	.....
6	John Griffith & Son.....	..do.....	.....	1,406	.....	.....	.....
7	Thos. Herrington.....	..do.....	.....	1,364	.....	.....	.....
8	A. W. Walton.....	..do.....	.....	680	.....	.....	.....
9	John Duncan.....	Sheffield.....	.....	602	.....	.....	.....
10	C. W. Riley.....	..do.....	.....	500	.....	.....	.....
11	A. G. Norien	Tiskilwa.....	.....	400	.....	.....	.....
12	Chas. Gotheridge	Sheffield.....	.....	240	.....	.....	.....
13	N. Sweringen	Neponset.....	.....	80	.....	.....	.....
Totals .....			.....	23,663	.....	.....	1,000
Totals—21 mines.			83,985	1,199,706	7,716	.....	256,049

Bureau County—Second District—Concluded.

IN TONS.		DISPOSITION OF OUTPUT					EMPLOYEES.				
Stock or waste	Total.	Aggregate value of total product.	Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.	Tons mined by hand.	Average number of miners.	All other employes.	Total.
											Number.
	271,909	\$396,584	245,634		17,028	9,247	■	371,909	543	165	708
	241,839	349,596	218,082	11,990		11,917	191	241,839	518	190	808
	239,890	338,538	210,526	21,606	4,112	15,198	228	239,890	481	170	651
	237,296	338,073	220,015		4,548	12,733	216	237,296	514	191	705
	219,201	319,867	211,180	1,415		5,598	215	219,201	430	105	535
	138,173	200,006	129,966			8,207	138	138,173	496	150	645
	100,212	161,290	93,079		843	6,290	103	100,212	400	130	530
	75,333	90,796	72,076		1,162	2,066	111	75,333	148	46	194
	1,522,793	\$2,181,740	1,400,517	23,401	27,693	71,182	175	1,522,793	3,529	1,127	4,656
	7,940	\$15,880			7,940		286	7,940	15	4	19
	4,975	8,706			4,975		240	4,975	12	3	15
	2,882	5,044			2,882		240	2,882	8	1	9
	2,116	4,232			2,116		270	2,116	5	1	6
	1,478	2,956			1,478		165	1,478	5	1	6
	1,406	2,812			1,406		175	1,406	4	1	5
	1,384	2,728			1,384		158	1,384	4	1	5
	690	1,360			690		180	690	3	1	4
	602	1,063			602		160	602	2		2
	500	875			500		120	500	3	1	4
	400	800			400		120	400	2		2
	240	420			240		100	240	2	1	3
	■	120			80		30	80	2		2
	24,663	346,436			24,663		173	24,663	65	15	80
	1,547,456	\$2,228,326	1,400,517	23,401	52,356	71,182		1,547,456	3,594	1,152	4,746

Henry County—Second District—Concluded.

IN TONS.	Stack or waste.	Total	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	EMPLOYEES.			
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.		Tons mined by hand	Average number of miners.	All other employes	Total Number.
		77,535	\$104,563	68,680		5,855	3,000	274	77,535	108	30	138 1
		11,060	17,442	9,643	...	1,127	300	240	11,060	25	4	29 2
		2,797	6,615	2,797				230	2,797	6	2	8 3
		92,412	\$128,620	82,120		6,982	3,300	248	92,412	139	36	175
		15,375	\$28,470			15,075	300	250	15,375	33	5	38 1
		9,397	18,044			9,197	200	240	9,397	15	3	18 2
		7,428	14,708			7,328	100	240	7,428	12	1	13 3
		5,655	8,678			5,655		220	5,655	7	2	9 4
		3,780	6,950			3,710	70	280	3,780	8	1	9 5
		3,694	7,398			3,694		250	3,694	7	1	8 6
		3,010	4,907			3,010		217	3,010	5	2	7 7
		2,850	5,462			2,550	300	275	2,850	7	2	8 8
		2,680	5,860			2,680		200	2,680	5	1	6 9
		2,477	4,085			2,297	180	286	2,477	5	2	7 10
		2,465	5,298			2,405	60	180	2,465	7	2	9 11
		2,094	4,197			2,086	58	160	2,094	6	2	8 12
		2,040	4,335			2,040		160	2,040	5	1	6 13
		1,316	2,153			1,216	100	100	1,316	6	3	9 14
		1,168	2,338			1,168		150	1,168	5	1	6 15
		696	1,460			656	40	200	696	4	1	5 16
		640	1,120			640		120	640	3	1	4 17
		560	1,120			560		200	560	2	1	3 18
		510	1,020			510		120	510	2		2 19
		500	1,000			500		120	500	2		2 20
		480	840			480		140	480	2	1	3 21
		428	856			428		160	428	2		2 22
		274	411			274		90	274	1		1 23
		240	400			240		140	240	1		1 24
		220	440			220		100	220	2		2 25
		40	70			40		20	40	1		1 26
		70,017	\$121,226			68,609	1,406	178	70,017	155	33	188
		162,429	\$259,856	82,120		75,601	4,708		162,429	294	69	363

Knox County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Etherley Coal Co	Etherley	12, 000	5, 641	.....	.....	2, 825
LOCAL MINES.							
1	Galva Coal Co.....	Wataga .....	.....	5, 660	.....	.....	160
2	Pendergast Bros.....	Galesburg .....	.....	4, 378	.....	.....	500
3	Rodell & Mitchell.....	Wataga .....	.....	3, 770	.....	.....	220
4	Geo. W. Essex.....	Galesburg .....	.....	2, 170	.....	.....	590
5	George Clifford & Son.....	Altona .....	.....	1, 840	.....	.....	.....
6	Hand & Cadwell.....	Williamsfield.....	.....	1, 808	.....	.....	.....
7	Albert Wahlberg	Knoxville .....	.....	1, 748	.....	.....	32
8	Louis Nodine & Son	Wataga .....	.....	1, 312	.....	.....	.....
9	Jesse Hillier	Rapatee .....	.....	1, 280	.....	.....	.....
10	Terrence McGovern	Oneida .....	.....	1, 200	.....	.....	.....
11	Nelse Kennedy	Delong .....	.....	1, 000	.....	.....	.....
12	Peter Sornberger & Bro	Victoria .....	.....	1, 000	.....	.....	.....
13	S. G. McGovern.....	Oneida .....	.....	1, 550	.....	.....	.....
14	Gus Simpson & Bros.....	..do.....	.....	960	.....	.....	.....
15	G. W. Bowman.....	Yates City.....	.....	728	.....	.....	210
16	Lindsey Bros.....	Middle Grove .....	.....	920	.....	.....	.....
17	Chas. Spencer.....	Victoria .....	.....	800	.....	.....	.....
18	Ed Peterson	Etherley .....	.....	728	.....	.....	.....
19	John Walsh.....	Victoria .....	.....	650	.....	.....	.....
20	John Robinson.....	..do.....	.....	640	.....	.....	.....
21	D. J. Foster.....	Rapatee .....	.....	600	.....	.....	.....
22	H. E. Bonney	Abingdon .....	.....	560	.....	.....	.....
23	Ben Thorne	Etherley .....	.....	520	.....	.....	.....
24	Will Foster	Abingdon .....	.....	480	.....	.....	.....
25	James Nelson.....	Knoxville .....	.....	434	.....	.....	.....
26	John Todd	Victoria .....	.....	400	.....	.....	.....
27	Hakstrom Bros	Oneida .....	.....	400	.....	.....	.....
28	P. Lundeen & Son.....	Knoxville .....	.....	370	.....	.....	30
29	Lee Lomax	Abingdon .....	.....	360	.....	.....	.....
30	N. C. Anderson	Knoxville .....	.....	308	.....	.....	36
31	M. Poole	Abingdon .....	.....	320	.....	.....	.....
32	Bowman Bros.....	Yates City.....	.....	200	.....	.....	100
33	J. C. McCullough.....	Abingdon .....	.....	300	.....	.....	.....
34	Cross & Carson .....	..do.....	.....	240	.....	.....	.....
35	John Myers	Etherley .....	.....	200	.....	.....	.....
36	Gus Lumber	Yates City.....	.....	200	.....	.....	.....
37	William Fish	Dahinda .....	.....	160	.....	.....	.....
38	Frank Brown	Knoxville .....	.....	140	.....	.....	.....
39	Chas. Morgan	Oneida .....	.....	120	.....	.....	.....
40	John Wilkin	Abingdon .....	.....	120	.....	.....	.....
41	P. A. Switzer	Wataga .....	.....	120	.....	.....	.....
42	Wm. Nelson	Victoria .....	.....	120	.....	.....	.....
43	Jacob Burgess	Abingdon .....	.....	50	.....	.....	.....
44	Frank Quinn.....	..do.....	.....	40	.....	.....	.....
45	Elmer McGrew .....	..do.....	.....	40	.....	.....	.....
Totals .....			.....	40, 942	.....	.....	1, 871
Totals—46 mines.....			12, 000	46, 583	.....	.....	4, 701

Mines reported for 1905, 42.
New mines, 12.
Abandoned mines, 8.
Mines in 1906, 46.

Knox County—Second District—Concluded.

IN TONS.	Slack or waste.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.
												Number.
		20,466	\$25,015	19,566	600	300		276	20,466	33	8	41 1
5,820			\$9,945			5,720	100	240	5,820	14	2	16 1
4,878			7,812			4,878	300	189	4,878	11	3	14 3
3,990			6,707			3,840	150	260	3,990	8	2	10 4
2,760			4,093			2,540	220	170	2,760	8	2	10 4
1,840			3,690			1,840		230	1,840	5	1	6 5
1,808			2,260			1,808		300	1,808	4		6 6
1,780			3,512			1,780		190	1,780	5	1	6 7
1,312			2,296			1,312		300	1,312	4		4 8
1,290			1,920			1,290		300	1,290	3		3 9
1,200			1,800			1,200		200	1,200	4	1	5 10
1,000			2,000			1,000		150	1,000	4		4 11
1,000			1,250			1,000		160	1,000	3		3 12
1,550			2,325			1,550		200	1,550	5	1	6 13
980			1,440			980		130	980	4	1	5 14
936			1,714			876	60	106	936	3	1	4 15
920			1,380			920		180	920	3		3 16
900			1,400			900		180	900	3	1	4 17
728			1,092			728		150	728	3		3 18
650			975			650		150	650	2		2 19
640			980			640		200	640	2	1	3 20
600			900			600		225	600	2		2 21
580			1,280			580		110	580	2		2 22
520			790			520		150	520	2		2 23
490			960			490		182	490	2		2 24
434			898			434		150	434	2	1	3 25
400			700			400		120	400	2		2 26
400			800			400		120	400	2		2 27
400			663			400		230	400	2		2 28
380			819			380		150	380	3		3 29
344			624			344		180	344	2		2 30
320			640			320		80	320	2		3 31
300			600			290	10	60	300	3	1	4 32
300			675			300		150	300	2		2 33
240			480			240		100	240	2		2 34
200			300			200		55	200	2		2 35
200			350			200		60	200	2		2 36
160			240			160		135	160	1		1 37
140			280			140		60	140	2		2 38
120			180			120		80	120	1		1 39
120			270			120		100	120	2		2 40
120			180			120		40	120	2		2 41
120			180			120		60	120	2		2 42
50			100			50		50	50	1		1 43
40			80			40		50	40	1		1 44
40						40		50	40	1		1 45
42,820			\$71,681			42,080	740	143	42,820	147	19	166
63,286			\$96,696	19,566	600	42,380	710		63,286	180	27	207

Worcester County—Second District—1906.

NAME OF MANUFACTURER	MANUFACTURE OF	OUTPUT OF MILL			
		1905	1906	1907	1908
Worcester County Second District 1906	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
Worcester County Second District 1906	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
Worcester County Second District 1906	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
Worcester County Second District 1906	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
Worcester County Second District 1906	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000
	Woolen	1,000	1,000	1,000	1,000
	Cotton	1,000	1,000	1,000	1,000

Mercer County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Total.	Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of mines.	All other employes.			
41,578	128,768	\$184,002	130,234	16	2,573	5,945	224	138,768	120	103	228	1	
5,164	138,290	176,263	130,640		2,744	4,908	192	138,290	157	83	240	2	
3,660	93,506	118,772	93,236	1,466	74	3,660	195	93,506	102	57	159	3	
16,716	52,016	71,734	48,228	568		3,320	216	52,016	50	44	94	4	
	4,900	7,125	1,100		3,600	200	200	4,900	12	4	16	5	
	2,530	3,660	440		2,040	40	150	2,520	5	1	6	6	
	1,497	2,436	900		557	40	230	1,497	3	4	6	7	
61,118	431,497	\$563,592	399,828	2,070	11,598	18,011	201	431,497	449	293	742		
	4,100	\$6,075			4,050	50	125	4,100	7	1	8	1	
	3,045	4,545			3,045		280	3,045	5	1	6	2	
	2,730	5,001			2,730		280	2,730	6		6	3	
	2,400	3,600			2,400		275	2,400	5	1	6	4	
	2,150	3,225			2,150		250	2,150	4	1	5	5	
	760	1,040			740	20	170	760	2		2	6	
	680	1,960			680		150	680	2		2	7	
	588	882			588		100	588	3	1	4	8	
	138	175			130	8	30	138	2	1	3	9	
	16,118	\$25,903			16,513	78	182	16,591	36	6	42		
61,591	448,066	\$589,495	399,828	2,070	28,101	18,089		448,066	485	299	784		

Mercer County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Coal Valley Mining Co. No. 2.....	Sherrard.....	13,953	77,560	.....	1,894	3,783
2	Empire Coal Co. No. 3.	Gilchrist.....	16,562	76,436	.....	132	39,996
3	Alden Coal Co. No. 4.....	do.....	1,486	54,268	.....	850	33,242
4	Coal Valley Mining Co. No. 1.....	Cable.....	930	33,626	.....	2,426	4,318
5	Docherty Bros.....	Pre-emption ..	.....	4,600	.....	.....	300
6	Arthur Jones.....	Viola.....	.....	2,400	.....	.....	120
7	B. B. Peterson.....	Cable.....	590	822	.....	.....	85
Total.			33,521	249,712	.....	5,302	81,844
LOCAL MINES.							
1	C. W. Liefendorfer.....	Pre-emption ..	.....	4,000	.....	.....	100
2	J. B. Martin.....	Aledo.....	.....	3,000	.....	.....	45
3	S. J. Young.....	New Windsor.....	1,530	1,200	.....	.....	.....
4	G. W. Martin.....	Viola.....	.....	2,400	.....	.....	.....
5	W. P. Williams.....	Aledo.....	.....	2,150	.....	.....	.....
6	Ed. Gustafson.....	Wanlock.....	.....	660	.....	.....	100
7	M. A. Beers.....	Cable.....	.....	680	.....	.....	.....
8	Alfred Williams.....	Pre-emption ..	.....	588	.....	.....	.....
9	Henry Maynard & Co	Gilchrist.....	.....	106	.....	.....	32
Totals			1,530	14,784	.....	.....	277
Totals—16 mines.....			35,051	264,496	.....	5,302	82,121

Mines reported for 1905, 17.
New mines, 2.
Abandoned mines, 3.
Mines in 1906, 16.

Mercer County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	EMPLOYEES.				Number.
Slack or waste	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade	Tons consumed or wasted at the mine.		Tons mined by hand	Average number of mines	All other employes.	Total.	
41,578	138,788	\$184,002	130,234	16	2,578	5,945	224	138,788	120	108	228	1
5,164	138,290	178,863	130,640		2,744	4,908	192	138,290	157	89	240	2
3,660	93,506	118,272	88,288	1,486	74	3,660	195	93,506	102	57	159	3
10,716	52,016	71,734	48,228	568		3,220	216	52,016	50	44	94	4
	4,900	7,125	1,100		3,000	200	200	4,900	12	4	16	5
	2,520	3,660	440		2,040	40	150	2,520	5	1	6	6
	1,497	2,486	900		557	40	220	1,497	3	4	6	7
61,118	421,497	\$568,592	399,828	2,070	11,588	18,011	201	421,497	449	298	742	
	4,100	\$6,075			4,050	50	125	4,100	7	1	8	1
	3,045	4,545			3,045		280	3,045	5	1	6	2
	2,730	5,001			2,730		280	2,730	6		6	3
	2,400	3,600			2,400		275	2,400	5	1	6	4
	2,150	3,225			2,150		250	2,150	4	1	5	5
	760	1,040			740	20	170	760	2		2	6
	690	1,380			690		150	690	2		2	7
	588	862			588		100	588	3	1	4	8
	138	175			180	8	30	138	2	1	3	9
	16,118	\$25,903			16,513	78		16,591	36	6	42	
61,591	448,088	\$589,485	399,828	2,070	28,101	18,089		448,088	485	298	784	

Rock Island County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Volunteer Coal Co	Coal Valley...	7.802	4,681	.....	.....	1,560
2	T. S. Silvis.....	Carbon Cliff...	.....	2,822	.....	.....	694
3	Axel E. Link.....	Sunny Hill....	.....	1,667	.....	.....	833
Totals			7.802	9,170	.....	.....	3,087
LOCAL MINES.							
1	John J. Pryce & Son.....	Coal Valley...	.....	18,486	.....	.....	6,164
2	Sackville Boos.....	..do.....	.....	6,542	.....	.....	2,500
3	Stoddard & Summerson.....	..do.....	.....	6,945	.....	.....	1,735
4	John Hynd & Sons.....	Moline.....	.....	6,224	.....	.....	800
5	Zeigler Bros.....	Coal Valley...	.....	1,066	.....	.....	254
6	Stone Bros.....	Moline.....	.....	880	.....	.....	.....
7	Guckert Bros	Hampton.....	.....	750	.....	.....	.....
8	Chas. A. Loding.....	Moline.....	.....	668	.....	.....	.....
9	Stoehr & Schadt.....	Carbon Cliff...	.....	200	.....	.....	120
10	Rosemond & Gainey.....	..do.....	.....	240	.....	.....	.....
11	D. L. L. Edwards.....	Coal Valley...	.....	220	.....	.....	.....
12	Grant Griffin & Co.....	Moline.....	.....	168	.....	.....	.....
Totals .....			.....	42,389	.....	.....	11,573
Totals			7.802	51,559	.....	.....	14,660

Mines reported for 1905, 14.
New mines, 3.
Abandoned mines, 2.
Mines in 1906, 15.

Rock Island County--Second District--Concluded.

15 TONS.	Stock or waste	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES			
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employes.	Total.	Number	
		14,043	\$17,710	13,733			250	242		14,043	15	6	21	1
		3,516	5,698	1,156		2,160	200	178		3,516	9	2	10	2
		2,500	3,751	900		1,500	100	175		2,500	6	2	8	3
		20,069	\$27,099	15,849		3,660	550	198		20,069	29	10	39	
		24,650	\$34,816			24,490	160	200		24,650	25	10	35	1
		9,042	14,334			8,842	100	220		9,042	10	5	15	2
		8,690	14,541			8,600	80	250		8,690	6	4	10	3
		7,024	12,748			6,904	120	200		7,024	9	3	12	4
		1,320	2,152			1,240	80	200		1,320	3	1	3	5
		890	1,760			690		105		890	2		2	6
		750	1,500			750		165		750	2		2	7
		668	1,336			668		225		668	2	1	3	8
		320	460			290	40	120		320	3	1	4	9
		240	480			240		70		240	3		3	10
		220	440			220		120		220	1		1	11
		168	336			168		75		168	2	1	3	12
		53,962	\$84,903	.....		53,892	580	170		53,962	67	26	93	
		74,021	\$112,002	15,849		57,042	1,130			74,021	96	36	132	

Warren County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egs.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Cook & Rohr	Alexis.....		4,172			220
2	Maple City Coal Co	Monmouth.....		3,600			
3	Frank Gilmore.....	Alexis.....		2,000			800
4	Willis Clayton	Avon.....		1,000			
5	William Ruhl.....	do.....		700			
6	Bird Lieurence.....	Roseville.....		600			
7	Thos. Caldwell	Avon.....		568			
8	John Selkirk	Monmouth.....		558			
9	Goff & Wilson	St. Augustine.....		520			
10	Sohn Clark.....	Monmouth.....		424			
11	A. T. Hartford	Swan Creek.....		400			
12	Tracy & Miller	Youngstown		372			
13	Thos. Lee	Swan Creek.....		120			
14	Joseph Simpson.....	do.....		80			
15	Richard Delaney.....	Avon.....		80			
Totals—15 mines.....				15,194			1,020

Warren County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			
Stack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	Number.
	4,332	\$6,917			4,332	00	230	4,332	6	1	7	1
	2,600	9,100			2,600		250	2,600	10	4	14	2
	800	2,750			2,720	80	230	2,900	4	1	5	3
	1,000	1,500			1,000		240	1,000	4		4	4
	700	1,750			700		260	700	3		3	5
	800	1,500			800		250	800	3		3	6
	568	1,420			568		200	568	3		3	7
	558	1,396			558		200	558	3	1	4	8
	530	1,040			520		140	530	2		2	9
	424	848			424		80	424	4	1	5	10
	400	1,000			400		150	400	3		3	11
	372	980			372		200	372	2		2	12
	120	300			120		60	120	3		3	13
	80	200			80		40	80	2		2	14
	80	200			80		70	80	1		1	15
	16,214	\$31,850			16,074	140	171	16,214	53	9	61	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bureau	8	83,995	1 176,043	7,716	...	255,049	...	1,532,793	\$0 781	...
Henry	3	29,454	47,232	...	...	16,726	...	92,412	0 7137	...
Knox...	1	12,000	5,641	...	...	2,825	...	30,466	0 69	...
Mercer	7	33,521	249,712	...	5,302	61,844	61,118	431,497	0 6342	...
Rock Island	3	7,802	9,170	...	...	3,067	...	20,039	0 637	...
Totals and av	22	165,762	1,487,796	7,716	5,302	359,521	61,118	2,087,227	\$0 7454	...

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced	PRICES PAID PER TON FOR—	
		Mine run.	Lump	Egg	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bureau...	12	...	23,003	...	...	1,000	...	24,863	\$0 974	...
Henry ..	26	...	64,419	...	...	5,526	...	70,017	1 0626	...
Knox . . .	65	...	40,942	...	...	1,878	...	42,820	1 0151	...
Mercer...	9	1,530	14,784	...	...	277	...	16,591	0 2236	...
Rock Island.	12	...	42,338	...	...	11,575	...	53,962	0 6615	...
Warren	15	...	15,194	...	...	1,020	...	16,214	1 2128	...
Totals and av	130	1,530	201 361	...	...	21 346	...	224,267	\$0 9478	...
Totals, district and mines....	142	167,993	1 689,189	7,716	5,302	390,877	61,118	2,311,494	...	...

Whole number of mines reported in 1906, 146.
 Number of new mines opened during the year, 24.
 Number of mines abandoned during the year, 28.
 Whole number of mines reported for 1905, 142.

Counties—Second District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
175	1,522,793	.....	\$1.4909	\$1.6146	\$1.70	.....	\$0.5669	.....	3,529	1,137	4,666
248	92,412	.....	1.37	1.6179	.....	.....	0.7905	.....	139	36	175
276	20,466	.....	1.25	1.50	.....	.....	0.55	.....	33	8	41
201	431,497	.....	1.3566	1.5512	.....	\$1.3674	\$0.9841	\$0.7032	449	293	742
198	20,059	.....	1.25	1.6808	.....	.....	0.6263	.....	29	10	39
201	2,087,227	.....	\$1.4142	\$1.604	\$1.70	\$1.3674	\$0.6727	\$0.7032	4,179	1,484	5,663

Counties—Second District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
173	24,663	.....	.....	\$1.9645	.....	.....	\$1.50	.....	65	15	80
178	70,017	.....	.....	1.9759	.....	.....	0.7057	.....	155	33	188
143	42,820	.....	.....	1.7213	.....	.....	0.5892	.....	147	19	166
182	16,591	.....	\$1.70	1.5636	.....	.....	0.6715	.....	36	6	42
170	53,962	.....	.....	1.888	.....	.....	0.4193	.....	67	26	93
171	16,214	.....	.....	2.0548	.....	.....	0.625	.....	53	8	61
163	224,267	.....	\$1.70	\$1.88	.....	.....	\$0.5731	.....	523	107	630
.....	2,311,494	.....	.....	.....	.....	.....	.....	.....	4,702	1,591	6,293

THIRD INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Livingston, Marshall, Peoria, Putnam, Stark, Woodford.

JAMES TAYLOR, *Inspector, Peoria.*

HON. DAVID ROSS,

Secetary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—I have the honor to submit the first annual report of the coal mines located in the third inspection district as now defined, the coal producing counties of which are Livingston, Marshall, Peoria, Putnam, Stark and Woodford.

The tabular part of the report gives the number of tons of coal mined; the number of kegs of powder consumed; the number of boys over 16 years of age working in the mines; also the number of miners and others employed in and about the mines; the number of shipping and local mines; the aggregate value of the total product at the mines; the thickness of the coal seams, with the geological numbers and the depth of the seams below the surface; the number of casualties, fatal and non-fatal; the number of mines, old, new and abandoned; the total tons of the different grades of coal produced, and the number of days of active operation of each mine during the year.

The following summary presents, in condensed form, the items contained in the county and other tables:

Number of counties producing coal.....	6
Total number of mines.....	129
Number of shipping mines.....	29
Number of local mines.....	100
Number of abandoned mines.....	
Total number of employes.....	3,623
Number of miners.....	2,692
Number of other employes underground.....	508
Number of boys underground.....	80
Number of employes above ground.....	343
Number of kegs of powder used.....	54,683
Total tons of coal produced.....	1,869,023
Tons of mine run.....	496,627
Tons of lump.....	989,251
Tons of egg.....	38,970
Tons of nut.....	51,595
Tons of pea or screenings.....	245,962
Tons of slack or waste.....	46,618
Tons of coal shipped from mines.....	1,498,229
Tons supplied to locomotives at mines.....	58,978
Tons sold to local trade.....	245,434
Tons consumed or wasted at mines.....	66,382
Aggregate value of total product.....	\$2,458,196
Average value per ton at mines, all grades.....	\$1.315
Average number of days, active operation, shipping mines.....	205

Average price paid for hand mining, shipping mines.....	\$0.678
Number of fatal accidents.....	6
Number of non-fatal accidents.....	24
Number of tons of coal to each fatal accident.....	311,504
Number of tons of coal to each non-fatal accident.....	77,876
Number of employes to each fatal accident.....	604
Number of employes to each non-fatal accident.....	151
Ratio of fatal accidents per 1,000 persons employed.....	1.7

The following comparative table presents the tonnage of each county now in the third district for the years 1905-1906:

COUNTY.	TOTAL TONS. ALL GRADES OF COAL.		Increase.	Decrease.
	1905	1906		
Livingston.....	244,394	281,035	36,641	.....
Marshall.....	510,968	437,230	.....	73,738
Peoria.....	904,892	844,484	.....	60,408
Putnam.....	42,964	135,004	92,040	.....
Stark.....	38,431	34,696	.....	3,735
Woodford.....	118,679	136,574	17,895	.....
Totals.....	1,860,328	1,869,023	146,576	137,881
Net increase.....	.....	8,695	.....	.....

The counties of Livingston, Putnam and Woodford show an increase of 146,576 tons over last year. Marshall, Peoria and Stark show a decrease of 137,881 tons, leaving a net increase of 8,695 tons for the district.

The change in the number of inspection districts of the State, from seven to ten, which went into effect July 1, 1905, gave to this district Livingston county from the old first district; Marshall, Putnam and Stark from the second, and Woodford from the fourth, leaving only Peoria county in this district as formerly.

IMPROVEMENTS.

At mine No. 2, Minonk, Woodford county, operated by the Minonk Coal Company, there have been installed two new boilers, 5½ by 21 feet, with three 16-inch flues; a pair of Crawford & McCrimmon first motion hoisting engines, 20 by 36 inches, with a drum 8 feet in diameter. Two new steel cages, with new steel ropes, 1¼ inches in diameter, have also been placed in the hoisting shaft, and a new stairway has been completed in the escapement shaft.

A new passageway has been provided for the men to travel to the escape-ment shaft, so as to avoid going through accumulated water in getting to the escapement. For the purpose of securing adequate ventilation a new fan 5 by 10 feet has been erected at the old shaft, and thereby a much needed improvement in ventilation has been secured.

The West End Coal Company at Fairbury, Livingston county, also the Brady Coal Company, at Pontiac, in the same county, have completed escape-ment shafts and connected them with the main workings.

DISCIPLINE IN COAL MINES.

A more rigid discipline in the operation of coal mines in this State and a more judicious discrimination in the selection of miners should be exercised. The mine managers should see to it that a code of rules is officially issued and enforced, also that the present mining laws are complied with; shot firers should be compelled to comply with the statute, and make a thorough examination of all shots before they are fired; also to have a rule that all

shots be examined before firing, for the purpose of ascertaining the number of dead holes, if any, or holes or shots found to have been improperly prepared. The first step to prevent any recurrence of any unlawful conditions, in this regard, would be to have the offending parties arrested and punished; this will lead towards greater security; place the responsibility for defective conditions upon those responsible for the same.

DEAD HOLES.

The statute provides that "no person shall drill or shoot what is known as a 'dead hole' for any part of its depth; nor tamp any drill hole with drill dust or other combustible material."

It is found that quite a difference of opinion prevails among mining men as to what is known as a "dead hole." Some contend that a "dead hole" is one that is drilled beyond the line of least resistance, while many others maintain that a "dead hole" is any hole drilled beyond the free face of the coal. Accepting this last opinion as being correct, I would recommend that this latter opinion be included in the statute under the head of definitions as what constitutes a "dead hole."

SHOT FIRERS.

For the purpose of securing a better protection of the lives of shot firers, I would suggest that they refuse to fire the shots of any miner who has failed to store his keg of powder in a wooden or metallic box, securely locked, and who fails to keep such box at least ten feet from the track and fifty feet from any other box containing a keg of powder.

Blasting of coal in our mines might be rendered practically safe if the precautions used included the cutting of all narrow work. It is also desirable to fix a definite relationship between tamping and powder.

The Cardiff Coal Co., Cardiff, Livingston county, has adopted the system of furnishing the miners with dirt from the surface to be used in tamping shots; the dirt is placed in wooden boxes located at different convenient stations in the mine; this system is to be commended and it is hoped that other mining companies will follow along the same lines.

When a shot is fired without being properly tamped with the right material, the pressure does not rise sufficiently high for the explosive to be properly lighted and the powder burns comparatively slow. It is very important that blasting powder should be put into a sound hole without cracks or fissures and thoroughly tamped, in order to get safe and satisfactory results, also that overcharging be avoided.

ACCIDENTS TO SHOT FIRERS.

The many accidents which have occurred to shot firers is due to the breach of the most important part of the mining law laid down to make blasting safe in our Illinois mines. Thus, if the shot firers had made proper examination of the shots before they are fired, they would refuse to fire the shots. We have found it necessary to send the following letter to the mine managers in this district.

"Complaint has come to me that the mining law relative to the firing of shots is being constantly violated, especially that part requiring that all shots be inspected before they are fired. As under a recent decision of the Attorney General, the shot firers are under the control of the mine manager or superintendent, it necessarily follows that they are the parties responsible for the enforcement of the law in their respective mines. Therefore, I hereby notify you that nothing but a strict observance of the law will be tolerated in the future. Any infraction of the law will subject you to the penalties prescribed."

Comparative safety in the coal mines of this State is secured by ordinary vigilance on the part of: first, the mine manager; second, the miner; third, the shot firers; fourth, the mine examiner. It is a question of importance

to know how much of a factor human carelessness enters into the cause of the many accidents which take place in our Illinois mines. If the warning, which usually precedes an accident, was not ignored, we would have the pleasure of reporting less fatal accidents. With one exception of the six fatal accidents which have occurred in this district the last year, five of them could have been avoided.

FATAL ACCIDENTS.

July 12, 1905. Martin Pazesnix, miner, aged 27 years, single, was killed in the Pheonix Coal Co.'s mine, Cornell, Livingston county, by falling roof at the working face of his room.

October 13, 1905. Joe Bertrain, miner, aged 28 years, married, was killed in the Cardiff Coal Co.'s mine, Cardiff, Livingston county, by falling roof, while brushinb the roadway to the working face of his room. He leaves a widow and two children.

June 29, 1906. August Muesner, miner, aged 30 years, married; Joe Dewasme, miner, aged 36 years, married; Cameo Fancon, miner, aged 35 years, married, and Andrew Mitchell, boss driver, aged 31 years, married, were killed by the breaking of a scaffold about seventy-five feet from the top of the hoisting shaft of the Roanoke Coal & Mining Co.'s mine, Roanoke, Woodford county.

The result of this accident is that four wives are made widows and eight children are left fatherless.

Andrew Mitchell, who was the mule boss, and the other men, all practical miners, were working on the night shift as sinkers, enlarging the hoisting shaft; the enlargement of the shaft had been completed. At the time of the accident they were engaged straightening several of the timbers which had slipped from their places; to enable the men to do this work they had erected two scaffolds, about 10 to 15 feet apart, on the opposite side of the shaft from that in which the cage was used, they were using only one cage. About 9:00 o'clock p. m. Mitchell, Fancon and Muesner came up on a car of dirt, which they had loaded on the cage, leaving Dewasme on the scaffold; the purpose of the upper scaffold and platform was to prevent falling material injuring the men while at work on the lower platform.

At 9:10 p. m. the regular night shift of the mine got on the cage and were lowered a distance of seven feet, when the three sinkers named got on the top of the cage (the top of the cage being flat) and were lowered down the shaft to their work. The engineer had received no instructions to stop at either of the scaffolds or platforms; he, however, slowed up as the cage approached the first platform, this platform was all right when the cage passed, as Patrick Brennan the mine examiner, who was on the cage, spoke to Dewasme, who had been left on the platform to work while the three had gone up to unload the car of dirt upon which they had been conveyed on the cage to the top of the shaft. The cage went down the shaft until it was about seventy feet below the lower platform or scaffold, when the engineer received a signal of "one bell" to stop the cage, which he did; a few moments after stopping he received the signal of "two bells" and lowered the cage to the bottom. While the cage was stopped, about seventy feet below where the men had been working, the men on the cage heard something fall down the shaft on the opposite side, but did not know what it was; they called up to the sinkers but received no answer. On reaching the bottom the men who had gone down on the cage went to the sump at the bottom of the shaft to investigate and they made the statement that they found nothing to indicate that anything out of the ordinary had taken place, and they went to their work in different parts of the mine.

The next shift of sinkers were to report for work at 11:00 p. m. Charles Priller, one of the men on this shift, went to the shaft at 10:40 p. m. and was informed by the engineer that the cage had been at the lower landing since about 9:40 p. m. Four workmen, named Priller, Adhern, Fourit and Fancon, got on the cage at the lower landing and went down the shaft to the first scaffold or platform, and found it gone; they were then lowered to the place

where the second or lower scaffold had been and found only two boards of it remaining. They were then lowered to the bottom of the shaft, where they met the night foreman, Alphonse Dourlain, and inquired of him where the sinkers were, and he said he did not know. Michael Proctor, the mine manager, was sent for and search for the bodies was made. The bodies of the four men were found in the sump, at the bottom of the shaft, which was sixteen feet deep and filled with water. After making an examination of the shaft and the places where the scaffolds had been, I am of the opinion that the upper scaffolding had become weakened by the slipping of the timbers on which it was built, and that when the three men jumped from the top of the cage, while the cage was in motion, to the platform, the momentum of the three, with their combined weight and that of Dewasme, who was on this scaffold, was more than it could bear, and that it gave way, carrying with it the men and the lower platform to the bottom of the shaft, a distance of 420 feet. It is evident that the falling timber and men reached the bottom of the shaft before the cage, and that, when the men on the cage called up to the sinkers at the time the cage stopped about seventy-five feet below the platform, they were lying lifeless in the sum at the bottom of the shaft; also that what the men on the cage heard falling was the noise made by the four men as they fell to the bottom of the shaft.

Respectfully submitted,

JAMES TAYLOR,

State Inspector of Mines, Third District, Peoria, Illinois.

Fatal Casualties—Third District—1906.

Date.	Name.	Age.	Occupation.	Residence. (Town)	Married.	Widows.	Child.	Single.	Persons dependent.	Cause of Accident.
1905										
July 12	Martin Pasesnik....	27	Miner.....	Cornell.....				1		Falling rock.....
Oct. 13	Joe Bertrain.....	29	do.....	Cardiff.....	1	1	2		3	Falling rock.....
1906										
June 29	August Mueser..	30	do.....	Roanoke.....	1	1	2		3	Falling down shaft..
	Joe Dowasine..	36	do.....	do.....	1	1	2		4	Falling down shaft..
	Carneo Fancoon..	35	do.....	do.....	1	1	2		3	Falling down shaft..
	Andrew Mitchell....	31	Boas driver..	do.....	1	1	1		2	Falling down shaft..
	Total..				5	5	10	1	15	

Recapitulation of Fatal Casualties—Third District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Cardiff.....	1	Boas driver...	1	Falling rock.....	2	Cardiff Coal Co.....	1
Cornell.....	1	Miners.....	5	Falling down shaft.	4	Phoenix Coal Co..	1
Roanoke.....	4					Roanoke Coal & Min. Co..	4
Totals.....	6		6		6		6

Non-Fatal Casualties—Third District—July 1, 1906.

Date	Name	Residence. (Town)	Age	Married.	Single	Children	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days
1906.									
July	8 Thomas Wonders	38 Granville		1		2		3 Toe broken pit car.	31
	10 State Kalaki	36 do		1		2		3 Hip injured falling coal.	30
	10 Jacob Flute	33 Cardiff			1			Foot injured falling rock.	30
	21 Wm Larker	18 do			1			Ther-out off foot fractured. pit car	141
	31 Emanuel Woodford	35 do		1				1 Foot injured pit car.	141
	31 Joe Bartolono	35 do		1		2		3 Hips injured falling rock.	30
Aug	11 Glen Driscoll	35 Peoria			1			Two-mashed pit car	30
	11 F. L. Wolstenhome	43 Edwards			1			3 Hip injured falling coal.	31
Sept	6 Oliver M. Lee	49 Kingston		1		1		2 Leg broken falling rock.	30
Oct	13 Joe Bertram	28 Cardiff		1		2		3 Back broken falling coal.	30
	25 Albert Wright	40 Wolcott		1				1 Face and hand burned powder explosion	30
Nov	28 Charles Carson	30 do		1		2		3 Body burned blown out shot	30
	29 L. E. Robinson	35 do		1		1		1 Body burned blown out shot	30
Dec	19 Peter Pallente	18 Cardiff			1			Body injured falling from car	15
1906									
Jan	10 Mishac Kovic	31 do		1				Foot injured pit car.	30
	10 Louis Morfortune	30 do			1			Toes mashed pit car	30
	22 Tom Christyverino	33 do			1			Foot and ankle injured fall- ing rock.	31
	22 Biagio Montle	33 do		1				1 Leg fractured falling rock.	105
	29 James Kibble	34 Granville		1		7		3 Arm and head bruised fall- ing rock	30
Feb.	22 John Rolando	35 Roanoke			1			Foot injured stepped on nail.	35
	22 Joe Gallavetter	30 do		1				Leg broken falling coal.	30
Mar	5 Antonio Dellrolio	37 do		1				Chest and side bruised fall- ing rock	32
	7 Dick Ratlife	32 do			1			Hand bruised kicked by mule	30
	7 Ed Thompson	30 Peoria		1				1 Back bruised pit car	30
	Totals			11	43	19	31		

*Not recovered July 1, 1906.
Total number of men injured 31
Not recovered July 1, 1906 1
Number recovered July 1, 1906 30
Time lost by men recovered, days 1,330
Average days lost by men recovered 32.3

Recapitulation of Non-Fatal Casualties—Third District—1906.

Residence	No.	Occupation	No.	Cause of Accident	No.	Colliery	No.
Cardiff	10	Comp'y men.	1	Blown out shot	3	Cardiff Coal Co	20
Edwards	1	Drivers.	7	Falling coal	5	Clark Coal & Coke Co	2
Granville	2	Miners	13	Falling off car	1	Granville Coal Co	2
Kingston	1	Shot fire	2	Falling rock.	7	Newsum Bros	3
Peoria	2	Trapper	1	Kicked by mule	1	Roanoke Coal Co	3
Roanoke	4			Pit cars	6	St. Paul Coal Co	2
Wolcott	3			Powder explosion	1	Wentling & Son	1
				Stepped on nail	1		
Totals	24		24		34		30

*Showing the Nature of Injuries, Number of Persons Injured,
Livingston County—Third District—Concluded.*

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Head injured	1	1		3	42	42.00	4.17
Broken	1	1		3			4.17
Injured	1		1	1	80	80.00	4.17
Injured	1		1		19	19.00	4.17
Wounded	2	2		5	110	55.00	8.33
Hand side injured	1		1		32	32.00	4.17
Hand burned	1	1		1	36	36.00	4.17
Wounded	1	1		1	141	141.00	4.17
Hand ankle injured	1		1		74	74.00	4.17
Injured	2		2		88	44.00	8.33
Injured	1		1		44	44.00	4.17
Wounded	1		1		86	86.00	4.17
Injured	3	2	1	6	145	48.33	12.50
Broken	2	1	1	2	70	70.00	8.33
Wounded	1	1		1	108	108.00	4.17
Broken	1	1		3	82	82.00	4.17
Injured	2		2		95	47.50	8.33
Lost off	1		1		161	161.00	4.17
Totals, averages and percentages.	24	11	13	31	1,368	57.00	100.00

Livingston County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES.				
			Mine run.	Lump.	Egg.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	Cardiff Coal Co.	Cardiff	43, 973	105, 333	10, 222	5, 000	42, 737
2	West End Coal Co.	Fairbury	10, 235	2, 118	.....	887	1, 403
3	Phoenix Coal & Mining Co.	Cornell	12, 536	850	250	.....	100
4	Marshall & Haar, No. 1	Streator .....	.....	2, 120	.....	.....	.....
Totals			66, 794	110, 421	10, 472	6, 485	44, 237
LOCAL MINES.							
1	Brady Coal Co. No. 2.	Pontiac	14, 000	.....	.....	.....	.....
2	Streator Clay Mfg. Co. No. 1	Streator	11, 003	.....	.....	.....	.....
3	Munts Bros. No. 2.	do. ....	.....	3, 563	.....	.....	1, 100
4	Massey Bros. No. 1	do. ....	.....	605	.....	.....	200
5	Co-operative Coal Co. No. 1.	Fairbury .....	.....	4, 106	.....	1, 900	1, 335
6	Streator Aqueduct Co. No. 1	Streator .....	.....	1, 712	.....	.....	.....
7	Ben Davies No. 1	Streator (R. F. D. No. 1) .....	.....	300	.....	.....	.....
Totals			25, 767	10, 235	.....	1, 900	2, 704
Totals 11 mines.....			92, 561	120, 716	10, 472	8, 485	47, 001

Mines reported for 1905—13.
Abandoned mines—2.
Mines in 1906—11.

Livingston County—Third District—Concluded.

Tons.	Tons.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	397,874	\$380,539	199,874	.....	8,718	4,784	180	397,874	217	97	314	1
685	15,836	19,489	6,963	7,393	408	888	300	15,836	15	11	26	2
.....	13,738	18,167	12,000	.....	1,236	500	295	13,738	28	10	38	3
.....	2,120	4,340	2,120	.....	.....	.....	176	2,120	10	3	13	4
685	239,065	\$35,332,399	220,445	7,393	5,257	5,899	235	239,065	270	120	390	
.....	14,099	\$29,398	.....	.....	14,099	.....	300	14,099	35	8	43	1
.....	11,068	14,365	.....	.....	4,732	11,068	299	11,068	24	6	30	2
.....	4,732	6,643	.....	.....	806	.....	280	4,732	8	2	10	3
.....	806	1,310	.....	.....	8,645	.....	150	806	4	1	5	4
265	8,645	5,380	.....	.....	1,712	.....	198	8,645	12	8	20	5
.....	1,712	2,789	.....	.....	.....	.....	247	1,712	3	1	4	6
.....	300	494	.....	.....	300	.....	160	300	2	2	4	7
1,355	41,970	\$70,291	.....	.....	30,302	11,068	233	41,970	98	26	116	
1,950	281,085	\$35,392,690	220,445	7,393	36,259	16,987	.....	281,085	358	148	506	

Marshall County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	lump.	lump.	lump.	lump or screenings.
SHIPPING MINES.							
1	Devlin Coal Co. No. 1.....	Toluca.....	112,182	110,723	14,282		41,180
2	Wenona Coal Co. No. 1.....	Wenona.....		77,232		386	22,237
3	Marquette Third Vein Coal Co. No. 2.....	Spartan.....	15,454	12,530			
Totals			127,636	201,224	14,282	386	63,417
LOCAL MINES.							
1	Frank A. Barr.....	Spartan.....		4,000			40
2	Robert H. Ingram.....	do.....		1,200			
3	W. E. Frisbey.....	do.....		1,200			
4	William Bough.....	Henry.....		1,200			
5	William Lopeman.....	do.....		1,200			
6	Jasper Winesburger.....	Chillicothe.....		1,200			
7	Daniels & Martell.....	Henry.....		1,200			
8	L. Nighswonger.....	Spartan.....		1,200			
9	John Myers.....	do.....		1,200			
10	Bernard Launing.....	do.....		1,200			
Totals				9,300			40
Totals--13 mines			127,636	210,424	14,282	386	64,457

Mines reported for 1905—13.
Mines in 1906—13.

Marshall County—Third District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
12,495	290,832	\$380,543	243,737	29,040	6,560	12,495	213	290,832	535	187	702	1
5,000	105,725	152,843	92,204	.....	8,531	5,000	231	105,725	190	90	280	2
2,375	80,908	51,703	11,063	.....	19,837	808	251	80,908	45	9	54	3
19,870	427,475	\$615,088	247,004	29,040	83,128	18,303	233	427,475	760	256	1,016	
.....	4,940	\$7,300	.....	.....	4,940	.....	236	4,940	7	1	8	1
.....	1,265	1,895	.....	.....	1,265	.....	230	1,265	4	.....	4	2
.....	1,200	1,800	.....	.....	1,200	.....	240	1,200	4	.....	4	3
.....	640	1,130	.....	.....	640	.....	200	640	3	.....	3	4
.....	420	735	.....	.....	420	.....	210	420	3	.....	3	5
.....	400	800	.....	.....	400	.....	180	400	3	.....	3	6
.....	310	543	.....	.....	310	.....	200	310	3	.....	3	7
.....	300	450	.....	.....	300	.....	190	300	3	.....	3	8
.....	180	240	.....	.....	180	.....	160	180	2	.....	2	9
.....	120	180	.....	.....	120	.....	120	120	2	.....	2	10
.....	9,755	\$15,066	.....	.....	9,755	.....	202	9,755	.....	1	34	
19,870	427,230	\$630,159	247,004	29,040	42,863	18,303	.....	427,230	753	257	1,050	

Peoria County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES—							
			Mine run.	Lump.	Wet.	Nut.	Pes or screenings.			
SHIPPED MINES.										
1	Clark Coal & Coke Co.	Peoria		25,000			15,000	25,410		
2	Clark Coal & Coke Co.	do.		12,000			12,700	15,300		
3	Wolschlag Cooperative Coal Co.	do.	25,000							
4	Newman Bros.	do.	1,057	40,000			4,000	10,000		
5	Shel Bros.	do.	25,000	11,000			5,000	2,200		
6	Howard & Taylor	Edwards		42,000				9,000		
7	Coiller Cooperative Coal Co.	Bartonville	20,000	2,000						
8	Newman Bros.	Peoria	2,000	25,000			2,000	8,700		
9	Vicary Bros.	do.		20,000						
10	W. F. Foley	Mapleton	10,000							
11	Isaac Warrling & Son	Peoria		14,000				3,500		
12	Thy's Vein Coal Co.	Mapleton		11,000			1,000			
13	German Coal Co.	do.	11,000							
14	Newman Bros.	Peoria	4,000	5,000				1,000		
15	Edwards Mining Co.	do.		4,000				1,000		
16	Reents Bros.	Kennett		5,000						
17	Peter Grant	Peoria		5,000						
Total:			212,057	264,000			42,000	56,360		
LOCAL MINES.										
1	Winters Cooperative Coal Co.	Bartonville	21,000							
2	Treasure Coal Co.	do.	20,000							
3	Hibbard & Snodden	Peoria		14,000						
4	Hane or Mining Co.	do.		6,000						
5	Gall way Coal Co.	Kingston		5,000						
6	George Keller & Son	Bartonville		4,000						
7	Winters Cooperative Coal Co.	do.		4,000						
8	Lancaster Landing Coal Co.	Kingston		4,000						
9	Bell Coal Co.	Bartonville		4,000						
10	Patrick Martin	Peoria		3,000						
11	Crow Bros.	Chillicothe		3,000						
12	F. P. Schmidt & Sons	Peoria		3,000						
13	Mohr Coal Co.	do.		2,000						
14	Limestone Coal Co.	do.		2,000						
15	White Coal Co.	do.		2,000						
16	Pan Oaks Coal Co.	do.		2,000						
17	W. J. Burdett	Pottstown		1,400						
18	J. Stator	Mapleton		1,400						
19	R. Taylor	Princetonville		1,000						
20	Powell Coal Co.	Mapleton		1,000						
21	Toll, & Henton	Brimfield		800						
22	Wm. Berry	Monica		700						
23	John Richiger	Mapleton		600						
24	Dani Roberts	do.		600						
25	Higbee & Calwell	Princetonville		500						
26	Ed Selger	Oak Hill		500						
27	Thy's Vein Coal Co.	Mapleton		500						
28	Bel. Coal Co.	Peoria		500						
29	East Coal Co.	do.		500						
30	W. Robinson	Mapleton		500						
31	Had. & Ash	Brimfield		500						
32	R. Gilbertson	do.		500						
33	Joseph Marie	Pottstown		500						
34	J. Rook	Brimfield		500						
35	M. Rumble	Peoria		500						

Peoria County—Third District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Sleck or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
.....	146,630	\$172,174	144,060	.....	.....	2,560	189	146,630	.....	49	181	1
.....	70,238	82,168	51,808	16,515	.....	1,920	209	70,238	56	26	82	2
.....	88,206	97,089	87,831	.....	.....	877	245	88,206	54	.....	87	3
.....	65,164	73,082	64,345	.....	436	1,888	154	65,164	89	.....	86	4
5,162	65,524	73,674	64,896	.....	58	1,072	170	65,524	90	23	103	5
8,236	54,548	57,908	49,502	.....	416	4,628	180	54,548	66	23	89	6
1,788	53,788	53,347	53,000	.....	.....	788	280	53,788	80	11	41	7
.....	52,046	57,478	50,532	.....	161	1,863	189	52,046	46	26	72	8
7,200	35,840	38,672	33,640	.....	2,000	200	180	35,840	49	12	53	9
.....	19,764	21,740	19,764	.....	.....	.....	171	19,764	12	7	19	10
500	18,000	18,800	17,800	.....	.....	500	200	18,000	25	8	34	11
300	12,945	23,787	11,850	.....	795	300	210	.....	23	6	39	12
.....	11,481	12,628	6,924	1,660	227	850	220	11,481	15	5	.....	12
.....	10,911	11,666	10,561	.....	.....	850	100	10,911	18	5	23	14
.....	6,240	6,736	6,160	.....	80	.....	208	6,240	10	2	13	15
.....	6,120	7,968	6,120	.....	.....	.....	300	6,120	12	4	16	16
.....	5,260	6,888	5,260	.....	.....	.....	150	5,260	10	2	12	17
18,185	723,696	\$815,969	684,749	12,486	4,171	16,281	.....	710,750	.....	263	971	.....
.....	21,600	\$27,000	.....	.....	21,600	.....	264	21,600	20	5	25	1
.....	20,340	25,425	.....	.....	20,340	.....	269	20,340	20	4	24	2
.....	14,520	21,780	.....	.....	14,520	.....	240	14,520	16	2	19	3
.....	6,422	9,634	.....	.....	6,422	.....	287	6,422	10	2	12	4
.....	5,620	8,430	.....	.....	5,620	.....	260	5,620	10	2	12	5
.....	4,800	6,900	.....	.....	4,800	.....	280	4,800	6	1	7	6
.....	4,820	7,230	.....	.....	4,820	.....	101	4,820	9	1	10	7
.....	4,342	6,534	.....	.....	4,342	.....	170	4,342	6	2	8	8
.....	4,224	6,336	.....	.....	4,224	.....	190	4,224	7	2	9	9
.....	3,920	5,880	.....	.....	3,920	.....	200	3,920	10	2	12	10
.....	3,800	5,800	.....	.....	3,800	.....	210	3,800	6	.....	8	11
.....	3,560	5,340	.....	.....	3,560	.....	194	3,560	16	2	15	12
.....	3,500	5,250	.....	.....	3,500	.....	200	3,500	12	2	14	13
.....	2,746	4,119	.....	.....	2,746	.....	.....	2,746	4	2	6	14
.....	2,610	3,915	.....	.....	2,610	.....	190	2,610	4	.....	4	15
.....	2,400	3,600	.....	.....	2,400	.....	165	2,400	6	1	7	16
.....	1,458	2,187	.....	.....	1,458	.....	180	1,458	4	.....	6	17
.....	1,400	2,100	.....	.....	1,400	.....	182	1,400	7	1	8	18
.....	1,360	2,040	.....	.....	1,360	.....	300	1,360	6	1	7	19
.....	1,162	1,743	.....	.....	1,162	.....	219	1,162	3	.....	3	20
.....	800	1,600	.....	.....	800	.....	200	800	4	1	5	21
.....	750	1,500	.....	.....	750	.....	210	750	3	1	4	22
.....	500	750	.....	.....	500	.....	90	500	2	.....	2	23
.....	460	690	.....	.....	460	.....	125	460	4	.....	4	24
.....	300	600	.....	.....	300	.....	275	300	10	1	11	25
.....	250	375	.....	.....	250	.....	160	250	2	.....	2	26
.....	210	315	.....	.....	210	.....	150	210	2	.....	2	27
.....	300	300	.....	.....	300	.....	100	300	2	.....	2	28
.....	190	285	.....	.....	190	.....	120	190	3	.....	2	29
.....	188	282	.....	.....	188	.....	100	188	3	.....	3	30
.....	180	260	.....	.....	180	.....	111	180	2	1	2	31
.....	180	260	.....	.....	180	.....	98	180	2	.....	2	32
.....	175	262	.....	.....	175	.....	90	175	2	.....	2	33
.....	170	240	.....	.....	170	.....	92	170	2	1	3	34
.....	168	252	.....	.....	168	.....	80	168	2	.....	2	35

Peoria County—Third District—1906—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
36	Fisher & Block.....	Peoria.....	.....	165	.....	.....	.....
37	Lewis & Berry.....	Pottstown.....	.....	160	.....	.....	.....
38	F. Taylor.....	Elmwood.....	.....	120	.....	.....	.....
39	L. Hearst.....	Princeville.....	.....	100	.....	.....	.....
40	W. Poole.....	Edwards.....	.....	100	.....	.....	.....
41	Schott & Witheral.....	..do.....	.....	80	.....	.....	.....
42	Ash Johnson.....	Hanna City.....	.....	80	.....	.....	.....
43	J. Greene.....	..do.....	.....	80	.....	.....	.....
44	T. Dawson.....	..do.....	.....	70	.....	.....	.....
45	J. Dempster.....	Peoria.....	.....	70	.....	.....	.....
46	O. A. Hammet.....	Chillicothe.....	.....	68	.....	.....	.....
47	R. Clarkson.....	Oak Hill.....	.....	60	.....	.....	.....
48	H. A. Bemont.....	..do.....	.....	60	.....	.....	.....
49	J. Dalton.....	Elmwood.....	.....	58	.....	.....	.....
50	D. H. Currin.....	Oak Hill.....	.....	54	.....	.....	.....
51	Birdus Bros.....	Peoria.....	.....	50	.....	.....	.....
52	Thomas Gooden.....	Mapleton.....	.....	49	.....	.....	.....
53	Black Bros.....	..do.....	.....	40	.....	.....	.....
54	Thomas Jones.....	Peoria.....	.....	38	.....	.....	.....
55	D. Harris & Son.....	Hanna City.....	.....	30	.....	.....	.....
56	Thomas Bohanan.....	..do.....	.....	30	.....	.....	.....
57	B. Wolford.....	..do.....	.....	28	.....	.....	.....
58	S. Harper.....	..do.....	.....	26	.....	.....	.....
59	R. Armfield.....	..do.....	.....	24	.....	.....	.....
60	J. Scott.....	Oak Hill.....	.....	21	.....	.....	.....
61	E. Slam.....	..do.....	.....	20	.....	.....	.....
62	J. Saunders.....	Monica.....	.....	25	.....	.....	.....
63	W. Englekey.....	Peoria.....	.....	22	.....	.....	.....
64	B. Wasson.....	Monica.....	.....	26	.....	.....	.....
65	A. Myers.....	Pekin.....	.....	30	.....	.....	.....
66	John Powell & Son.....	Mapleton.....	.....	31	.....	.....	.....
67	D. Roberts & Son.....	..do.....	.....	22	.....	.....	.....
Totals.....		.....	41,940	78,849	.....	.....	.....
Totals—84 mines.....		.....	255,522	433,187	.....	42,234	95,356

Mines reported for 1905, 87.
Abandoned mines, 3.
Mines in 1906, 84.

Putnam County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	St. Paul Coal Co. No. 1.....	Granville.....	3,140	109,778	.....	.....	22,086

Mines reported for 1905—1.
Mines in 1906—1.

Stark County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Wyoming Coal Co. No. 1.....	Wyoming.....	4,200	2,100	.....	.....	500
2	Higbee & Watson.....	..do.....	4,071	2,100	.....	.....	400
Totals.			8,271	4,200	.....	.....	900
LOCAL MINES.							
1	W. B. Ballentine.....	Wyoming.....	.....	3,200	.....	.....	600
2	Jessie Savill.....	..do.....	.....	2,031	.....	.....	50
3	Shady Lane Coal Co.....	..do.....	.....	2,000	.....	.....	100
4	Jas Scott.....	..do.....	.....	2,000	.....	.....	.....
5	Nicholas Peterson.....	Bradford.....	.....	1,400	.....	.....	280
6	Frank Berfield.....	Toulon.....	.....	1,344	.....	.....	.....
7	Robert Camey.....	Lombardville.....	.....	1,200	.....	.....	.....
8	Beaver Bros.....	Wyoming.....	.....	180	.....	.....	.....
9	Dalrymple Bros.....	Neponsit.....	.....	1,100	.....	.....	.....
10	W. W. Jones.....	Bradford.....	.....	1,000	.....	.....	.....
11	John Catton.....	West Jersey.....	.....	1,000	.....	.....	.....
12	Cahill & Code.....	Lombardville.....	.....	820	.....	.....	.....
13	John S. Taylor.....	Neponsit.....	.....	810	.....	.....	.....
14	John Thurston.....	Wyoming.....	.....	620	.....	.....	.....
15	Charles Charlson.....	..do.....	.....	600	.....	.....	.....
16	Oscar Bass.....	..do.....	.....	520	.....	.....	.....
Totals .....			.....	19,825	.....	.....	1,030
Total—18 mines			18,271	24,065	.....	.....	1,930

Mines reported for 1905—18.
Mines in 1906—18.

Putnam County—Third District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
....	135,004	\$171,060	124,918	175	3,758	3,158	344	135,004	188	91	279	1

Stark County—Third District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
210	7,070	\$9,385	4,470	...	2,490	300	300	7,070	10	4	14	1
300	6,771	9,084	4,471	...	2,100	300	300	6,771	10	2	12	2
410	13,841	\$18,469	8,941	...	...	400	300	13,841	20	6	26	
	3,800	\$5,908			3,800		300	3,800	8	4	10	1
	2,081	2,579			2,081		200	2,081	4	2	6	2
	2,100	2,550			2,100		200	2,100	6	4	10	3
	2,000	2,500			2,000		190	2,000	4	2	6	4
	1,680	2,150			1,680		200	1,680	4	2	6	5
	1,344	2,638			1,344		240	1,344	3	2	5	6
	1,300	2,700			1,300		300	1,300	4	2	6	7
	180	300			180		45	180	3	1	4	8
	1,100	2,300			1,100		180	1,100	4	2	6	9
	1,000	2,000			1,000		200	1,000	4	2	6	10
	1,000	2,000			1,000		190	1,000	5	1	6	11
	820	1,640			820		180	820	4	1	5	12
	810	1,620			810		180	810	3	2	5	13
	620	1,085			620		200	620	3	1	4	14
	600	1,060			600		180	600	4	1	5	15
	520	910			520		160	520	4	1	5	16
	20,865	\$27,922			20,865		189	20,865	65	30	95	
410	34,696	\$56,391	8,941		25,355	400		34,696	85	26	121	

Woodford County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Roanoke Coal Min. Co. No. 1.....	Roanoke	9,497	69,978	.....	.....	6,314
2	Minonk Coal Co. No. 2.....	Minonk.....	.....	22,068	14,216	.....	9,198
	Totals—2 mines .....	.....	9,497	91,046	14,216	.....	15,512

Mines reported for 1905—2.
Mines in 1906—2.

Woodford County—Third District—1906.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT					Tons mined by hand.	EMPLOYEES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.		Average number of miners.	All other employees.	Total.	
8,308	90,092	\$117,488	75,954	3,875	3,900	8,308	210	90,092	154	84	238	1
	46,482	101,341	36,218		3,264	2,000	228	46,482	135	32	157	2
8,308	136,574	\$218,709	112,172	3,875	12,224	8,308	219	136,574	279	96	375	

Shipping Mines—Recapitulation by

COUNTIES	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced	PRICES PAID PER TON FOR	
		Mine run	Lump	Pea	Nut.	Pea or screenings.	Muck or waste.		Hand mining.	Machine mining.
Livingston	4	66,792	170,421	10,472	6,486	24,287	225	222,085	\$9.6153	
Marshall	3	127,686	201,134	14,262	826	62,027	12,920	427,425	0.79	
Peoria	17	213,662	274,239		42,324	25,226	23,125	729,086	0.29	\$9.79
Putnam	1	9,140	108,798			22,026		139,964	0.79	
Stark	2	3,271	4,300			100	430	12,001	0.25	
Woodford	2	9,497	31,046	14,276		25,512	6,243	126,574	0.79	
Totals and av	29	428,480	770,927	25,970	49,686	341,783	45,203	1,675,081	\$9.6724	\$9.79

Local Mines—Recapitulation by

COUNTIES	Number of local mines	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced	PRICES PAID PER TON FOR	
		Mine run	Lump	Pea	Nut.	Pea screenings	Stack of waste.		Hand mining.	Machine mining.
Livingston	7	26,767	10,236		1,389	2,704	1,206	41,902	\$9.6821	
Marshall	10		9,315			440		9,755	1.6239	
Peoria	67	41,940	78,749					120,689	0.6822	
Stark	16		19,825			1,000		20,825	1.6235	
Totals and av	100	67,707	118,284		1,389	4,144	1,206	193,369	\$1.6572	
Totals, district of mines	129	496,127	989,251	26,970	51,785	345,927	46,418	1,969,583		

Number of mines reported in 1906, 134.

Number of new mines opened during the year, none

Number of mines abandoned during the year, 5

Number of mines reported for 1906, 129

Counties—Third District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
235	239,065	.....	\$1.1431	\$1.726	\$1.5633	\$1.5471	\$0.6502	\$0.35	270	120	390
233	427,475	.....	1.4827	1.8015	1.46	1.40	0.4998	0.4812	760	256	1,016
190	710,750	12,945	1.0848	1.4107	.....	1.0006	0.3846	0.3025	708	263	971
244	135,004	.....	1.32	1.44	.....	.....	0.40	.....	188	91	279
200	13,841	.....	1.25	1.75	.....	.....	0.50	0.50	20	6	26
219	136,574	.....	1.30	1.842	1.85	.....	0.7151	0.20	279	96	375
205	1,662,709	12,945	\$1.222	\$1.5913	\$1.63	\$1.080	\$0.487	\$0.369	2,225	832	3,057

Counties—Third District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
233	41,970	.....	\$1.6993	\$1.9772	.....	\$2.00	\$0.7468	\$0.20	88	28	116
202	9,755	.....	.....	1.5582	.....	.....	1.25	.....	33	1	34
122	120,789	.....	1.25	1.5322	.....	.....	.....	.....	281	40	321
189	20,855	.....	.....	1.8768	.....	.....	0.7039	.....	65	30	95
149	193,369	.....	\$1.421	\$1.631	.....	\$2.00	\$0.7893	\$0.20	467	99	566
.....	1,856,078	12,945	.....	.....	.....	.....	.....	.....	2,692	931	3,623

FOURTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Fulton, Hancock, McDonough, McLean, Tazewell.

THOMAS WEEKS, *Inspector*, Bloomington.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with section 12 of the mining law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the coal mines in the fourth inspection district. This report contains, in addition to the following summary of items, the depth of the coal from the surface, in feet and inches; the thickness of coal in feet and inches; the geological number of the seam; the nature of the opening, whether shaft, slope or drift; the power used for raising coal, steam, horse or hand; the system of working, long-wall or room-and-pillar, and the method of mining.

The following is a summary of the different items contained in the report:

Number of mines.....	175
Number of new mines.....	62
Number of abandoned mines.....	29
Number of shipping mines.....	33
Number of local mines.....	142
Tons of mine run coal.....	328,847
Tons of lump coal.....	892,390
Tons of egg coal.....	268,117
Tons of nut coal.....	64,687
Tons of pea or screenings coal.....	378,686
Tons of slack or waste coal.....	93,656
Tons of all grades of coal.....	2,026,383
Average value of coal per ton, mine run, shipping mines.....	\$1.196
Average value per ton, lump, shipping mines.....	\$1.478
Average value per ton, egg coal, shipping mines.....	\$1.333
Average value per ton, nut coal, shipping mines.....	\$1.142
Average value per ton, pea or screenings, shipping mines.....	\$0.497
Average value per ton, slack or waste, shipping mines.....	\$0.373
Aggregate value of total product, all mines.....	\$2,392,317
Tons loaded on cars for shipment.....	1,616,865
Tons supplied to locomotives at mines.....	57,714
Tons sold to local trade.....	283,203
Tons consumed or wasted at mines.....	68,601
Average number of days of active operation, shipping mines.....	192
Tons mined by hand.....	2,026,383
Number of miners.....	2,865
Number of other employes underground.....	637
Number of boys underground.....	24
Number of employes above ground.....	319
Total number of all employes.....	3,845
Number of kegs of powder consumed.....	94,221
Number of pounds of dynamite used.....	2,225
Number of fatal accidents.....	4
Number of non-fatal accidents.....	16

Number of wives made widows.....	2
Number of children left fatherless.....	12
Number of employes to each fatal accident.....	961
Number of tons of coal to each fatal accident.....	506,596
Ratio of fatal accidents per 1,000 employed.....	1.00
Number of employes to each non-fatal accident.....	240
Number of tons of coal to each non-fatal accident.....	126,649

The increasing of the number of inspection districts from seven to ten, which took effect July 1, 1905, left only McLean county from the old fourth district, and gave as new counties to this district, Fulton, Hancock, McDonough and Tazewell from the old third district.

The following table presents the tonnage for each of the counties now comprising the fourth district with the increase and decrease for both the years 1905 and 1906.

County.	TOTAL TONS, ALL GRADES OF COAL.		Increase.	Decrease.
	1905	1906		
Fulton.....	1,439,489	1,593,793	154,304	.....
Hancock.....	11,560	10,907	.....	653
McDonough.....	43,944	56,550	12,606	.....
McLean.....	175,010	152,500	.....	22,510
Tazewell.....	235,001	212,633	.....	22,368
Totals.....	1,905,004	2,026,383	166,910	45,531
Net increase.....	.....	121,379	.....	.....

NEW MINES.

The Big Creek Coal Co. has sunk and put into operation a new mine at Cuba, Fulton county. The Canton Coal Co. has completed and put into operation a new mine at Canton, Fulton county. Both of these mines have the air and escapment shafts completed and the fans in place.

George Westerby has sunk a shaft at Farmington, Fulton county, which is intended for the local trade.

The Standard Coal Co. has opened a new mine at East Peoria, Tazewell county, which will supply the local trade.

ABANDONED MINES.

The Big Creek Coal Co. has abandoned its mine No. 1, located at Bryant, Fulton county. The Canton Coal Co. and the Canton Union Coal Co. Canton, Fulton county, have each abandoned a mine. The Standard Coal Co. has abandoned its mine located at East Peoria, Tazewell county.

PROSPECTIVE MINES.

The Simmons Coal Co. has begun the opening of a new mine about one and a half miles north of Canton, Fulton county. The main shaft struck the No. 5 seam at a depth of 124 feet.

IMPROVEMENTS.

The Monmouth Coal Co. of Brerton, Fulton county, has installed a new 20-foot fan to take the place of the smaller one formerly used, which will greatly improve the ventilation.

The Norris Coal Mining Co. has replaced its old second motion engine with a new first motion engine. The company has also repaired some of the old

Rebuilt and replaced others with new ones which has greatly increased the efficiency of their plant and have also built a new brick engine house. This mine is located at North Platte county.

In 1900, when the Western Coal Co. has put a stairway in its new improvement which is a great improvement over the old one.

The Western Coal Co. has built a new mine for the local trade, and has also connected it with the railroad.

The New York Coal Co. has extended the 11 mile 11 mine 1,000 feet and has also built a new mine.

The New York Coal Co. have built a new mine at 11 mile 11 track to connect the mine with the 11 mile 11 mine. They have built the switches, and have also connected it with the mine from a track at a shipping point. The mine has also built a new 11-foot track which has improved the connection of the mine.

COAL MINING.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

The coal mining industry in the State of North Dakota has been growing rapidly since 1900. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully. The coal mines in the State are located in the following counties: Adams, Barnes, Benson, Bottineau, Bowman, Burleigh, Cass, Cavalier, Chisago, Clay, Grand Forks, Hettinger, Hill, J. D. Rusk, McLean, Mercer, Minnott, Morton, Nelson, North Dakota, and Sully.

Fatal Casualties—Fourth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence (Town.)	Married.	Widow	Children	Single.	Persons dependent.	Cause of Accident.
1906										
Oct. 21	Robert Walsh	24	Driver .	Bloomington.				1	1	Falling rock .
Nov. 21	Arthur Kepler. . .	56	do	Hanna City	1	1	6		7	Side shaft and cage .
1906										
Feb. 17	John Cuculish . .	40	Miner	Pekin . . .				1		Powder explosion . . .
June 3	Adol'f Glebelhous'n	50	do.	East Peoria	1	1	6		7	Falling rock . . .
	Total . . .				2	2	12	2	15	

Recapitulation of Fatal Casualties—Fourth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Bloomington . .	1	Drivers . . .	2	Cage, bottom of shaft	1	Gus Glebelhousen	1
East Peoria . . .	1	Miner.. . .	2	Falling rock . . .	2	McLean County Coal Co..	1
Hanna City . . .	1			Powder explosion	1	Monarch Coal & Min. Co..	1
Pekin	1					Tazewell Coal Co	1
Total	4		4		4		4

Non-fatal Casualties—Fourth District—July 1, 1906.

Date.	Name	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905									
Sept	9 A. Mutholovitch	22	St. David	1	1			Foot crushed, falling slate.	20
	29 John Buretta	24	Farmington	1	1			Body bruised, pit cars	20
Oct.	4 Chris Fink		Bloomington	1		6	6	Collarbone broken, mule ran away	45
Nov	4 P. Engle	24	Cuba	1		1	2	Hips crushed, railroad cars.	27
	12 James Milana	35	Norris	1	1			Hand crushed, falling slate.	28
	14 C. G. Johnson	35	Bloomington	1		3	4	Foot broken, pit cars	25
Dec.	16 Raymond Negley	16	Brereton		1			Thigh fractured, pit cars	105
	22 R. Walder	24	Cuba		1			Back injured, falling slate	90
1906									
Jan.	12 Wm. H. Newman	17	Peoria		1			Body burned, powder expl'n	21
	12 Peter Fredrickson	54	Bloomington		1			Fingers crushed, pit cars	45
	27 Thos Price	21	Brereton		1			Ankle bruised, pit cars	24
Feb	15 Chris Schlopp	24	Bloomington		1			Ribs broken, pit car	20
	19 Albert Davis	30	St. David		1			Leg broken, pit cars	70
Mar	25 Charles Steffens	35	Dumferline		1			Face and body burned, pdr. explosion	45
May	15 Clarence Mowery	35	Canton		1			Arm broken, pit cars	45
June	23 Joseph Smith	55	Bloomington	1		7	8	Leg and ribs brkn., fal. slate	45
	Total			4	12	15	20		

*Not recovered July, 1906.

Total men injured	10
Number recovered July 1, 1906	25
Not recovered July 1, 1906	1
Total time lost by men recovered	200
Average time lost by men recovered, days	22.2

Fulton County—Fourth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation	Tons mined by hand.	EMPLOYEES.			Total.	Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.			
246	234,596	\$252,161	229,815	1,176		3,606	251	234,596	253	73	326	1	
2,551	202,458	216,130	197,784	745	1,773	2,156	221	202,458	183	98	291	2	
3,539	198,147	215,871	190,820		1,250	6,077	207	198,147	190	87	277	3	
	158,562	172,363	155,104		218	3,240	175	158,562	181	75	256	4	
32,259	141,864	155,689	137,430		258	4,175	189	141,864	109	68	177	5	
10,000	125,000	150,600	110,000	12,400	1,000	1,600	230	125,000	130	52	182	6	
2,704	70,276	75,832	55,817	11,607	149	2,703	209	70,276	112	39	151	7	
11,119	53,662	58,407	51,871			1,791	185	53,662	52	20	72	8	
	50,068	55,023	45,987		2,601	1,500	165	50,068	51	29	90	9	
2,000	46,700	49,585	44,700			2,000	124	46,700	85	30	115	10	
502	30,913	39,572	29,181		348	1,386	187	30,913	39	14	53	11	
	29,918	37,397	29,918				100	29,918	50	18	68	12	
895	51,699	58,918	51,089		240	420	103	51,699	144	37	181	13	
1,022	23,584	27,929	21,052		1,510	1,022	189	23,584	32	16	45	14	
	21,105	29,230	15,000		5,500	605	227	21,105	20	8	26	15	
651	21,072	17,565	20,421			651	83	21,072	43	20	88	16	
	18,357	26,243	16,555	1,176	100	526	175	18,357	25	10	35	17	
547	12,268	15,988	9,724		1,363	1,211	190	12,268	15	8	23	18	
	9,152	11,424	8,922	190	50		209	9,152	11	4	15	19	
	5,487	5,786	5,250			237	35	5,487	25	15	50	20	
	4,398	5,945	4,388				150	4,398	10	3	13	21	
	4,242	4,586	3,815			427	22	4,242	70	20	90	22	
	3,000	3,540	3,000				225	3,000	7	1	9	23	
67,835	1,516,568	\$1,696,179	1,437,593	27,284	16,359	35,332	194	1,516,568	1,852	743	2,596		
	12,420	\$17,586			12,420		280	12,420	15	3	19	1	
	7,220	8,823			7,220		138	7,220	15	6	21	2	
	4,800	8,400			4,800		280	4,800	4		4	3	
50	3,250	4,800			3,200	50	234	3,250	6	1	7	4	
	3,200	4,800			3,200		200	3,280	4	1	5	5	
	3,744	8,340			3,744		250	3,744	7	1	8	6	
	3,100	3,500			3,100		300	3,100	4		4	7	
	3,000	3,750			3,000		250	3,000	5		5	8	
	2,840	3,510			2,840		290	2,840	6		6	9	
	2,630	3,803			2,630		252	2,630	6	1	7	10	
	3,080	5,215			3,080		250	3,080	5	1	6	11	
	2,268	3,107			2,268		200	2,268	5	1	6	12	
	2,000	2,740			2,000		150	2,000	7	2	9	13	
	1,455	1,819			1,455		200	1,455	4		4	14	
	1,424	1,769			1,424		150	1,424	3		3	15	
	1,080	1,325			1,080		175	1,080	2		2	16	
	1,000	1,250			1,000		150	1,000	2		2	17	
	960	1,200			960		300	960	3		3	18	
	920	1,150			920		90	920	2		2	19	
	820	1,025			820		200	820	2		2	20	
	800	1,400			800		200	800	3		2	21	
	800	1,000			800		150	800	2		2	22	
	800	1,600			800		200	800	3	1	4	23	
	682	827			662		175	662	3		3	24	
	640	800			640		150	640	3		3	25	
	640	800			640		50	640	2		2	26	
	640	800			640		100	640	2		2	27	
	640	1,530			632	8	250	640	4	1	5	28	
	624	775			624		129	624	3		3	29	
	600	750			600		120	600	2		2	30	

Fulton County—Fourth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES— <i>Concluded.</i>							
31	James Mey	Lewistown		580		40	
32	C. A. Frayell	Farmington		580			24
33	Daniel Williams	Rapatee		650			
34	N. A. Rowden	Cuba		650			
35	George Gibboney	Ipava		600			
36	Harry Dilts	Glassford		840			
37	John A. Lamb	Maple Mills		580			
38	John E. Clark	Glassford		500			
39	Jacob Wages	Canton		400			
40	L. Clemens	Ipava		400			
41	C. F. Joy	Canton		380			
42	Richard Jayne	Cuba		380			
43	Lewis Putman	Canton		280			
44	James Walk	Glassford		280			
45	W. Whittle	Fairview		280			
46	H. W. Baylor	Canton		320			
47	E. D. Woodcock	do		320			
48	J. Orendorf	Cuba		300			
49	John Gillett	Banner		180			
50	Ben Eveland	Lewistown		180			
51	George Houston	Canton		180			
52	Warren Whites	do		104			
53	John Dunton	do		100			
54	Oscar Oleson	do		100			
55	L. W. Davis	Fairview		80			
56	Sam Ashby	Norris		80			
57	Robert H. Awl	do		80			
58	Jeff Stout	Fairview		80			
59	W. A. Sheets	London Mills		80			
60	Bryant Shreeves	Canton		80			
61	S. Ketchum	do		80			
62	John P. Snyder	do		80			
63	Wm. Whitehead	Maples Mills		40			
64	John Whitman	Brereton		32			
65	Charles Fidler	Canton		8			
Totals			200	67,928		61	8,938
Totals—88 mines			156,556	695,833	264,117	59,687	349,715

Mines reported for 1905, 50.
*New mines, 38.
Mines in 1906, 88.
*32 not previously reported; 6 new mines.

Fulton County—Fourth District—1906—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	EMPLOYEES.			
Stock or waste.	Total.		Tons loaded on cars for shipment	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine.		Tons mined by hand.	Average number of miners.	All other employees.	Total Number.
	600	1,080			600		114	600	2	2	681
	784	1,282			500	224	100	784	7	1	685
	480	800			480		150	480	2		682
	480	800			480		150	480	2		684
	400	648			400		173	400	2		685
	840	1,060			840		150	840	4	1	686
	500	825			500		100	500	2		687
	500	825			500		90	500	2		688
	400	400			400		100	400	2		689
	400	668			400		150	400	2		690
	360	618			360		120	360	2		691
	300	375			300		100	300	2		692
	380	360			280		50	280	2		693
	280	360			280		90	280	2		694
	280	360			280		188	280	1		695
	220	246			220		150	220	1		696
	300	250			300		100	200	2		697
	200	250			200		50	200	2		698
	160	200			160		40	160	2		699
	160	160			160		80	160	2		700
	180	200			180		90	180	2		701
	164	104			104		85	104	2		702
	100	125			100		30	100	1		703
	100	100			100		50	100	1		704
	80	100			80		50	80	2		705
	80	120			80		30	80	1		706
	80	120			80		40	80	2		707
	80	160			80		40	80	2		708
	80	140			80		70	80	1		709
	80	80			80		50	80	1		710
	80	80			80		80	80	1		711
	80	100			80		40	80	1		712
	40	40			40		20	40	1		713
	32	48			32		18	32	1		714
	8	10			8		4	8	2		715
50	77,225	\$108,007			76,948	232	137	77,225	203	23	226
47,685	1,593,793	\$1,724,186	1,437,593	27,284	93,802	35,614		1,593,793	2,065	766	2,831

Hancock County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Meredith Bros., R. R. shaft.....	Augusta .....	.....	8,400	.....	.....	.....
LOCAL MINES.							
1	C. H. Ellis.....	Augusta .....	.....	967	.....	.....	.....
2	W. C. Courtney	do.....	.....	660	.....	.....	.....
3	L. Bennett	do.....	.....	640	.....	.....	.....
4	Webster & Ring.....	do.....	.....	240	.....	.....	.....
Totals .....			.....	2,507	.....	.....	.....
Totals—5 mines.....			.....	10,907	.....	.....	.....

Mines reported for 1905. 5.
New mines, 1.
Abandoned mines, 1.
Mines in 1906, 5.

Hancock County—Fourth District—Concluded.

Slack or waste.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES			Number
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
	8,400	\$16,800	8,000	..	400	..	210	8,400	11	2	12	1
	967	\$1,934	.	.	967	.	180	967	5	1	6	1
	680	1,360	..	..	680	..	200	680	3	1	4	2
	640	1,280	..	..	640	..	150	640	3	1	4	2
	240	480	..	..	240	..	130	240	6	1	7	4
	2,507	\$5,014	..	..	2,507	..	153	2,507	17	4	21	
	10,907	\$21,814	8,000	..	2,907	..	..	10,907	27	6	33	

McDonough County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Rippetoe & Rundle	Colchester	7,906	5,942	.....	.....	866
2	A. Burney Coal Co	do .....	.....	5,851	.....	.....	2,889
Totals			7,906	11,793	.....	.....	3,755
LOCAL MINES.							
1	John Wilson	Colchester .....	.....	4,904	.....	.....	.....
2	Birney & Co	do .....	.....	1,914	.....	.....	.....
3	Ralph Oldham	do .....	.....	1,633	.....	.....	.....
4	Williams Coal Co	do .....	.....	1,600	.....	.....	.....
5	Atkinson Bros	do .....	.....	1,242	.....	.....	.....
6	J. C. Kirkbride	Vermont .....	.....	1,070	.....	.....	.....
7	Wm. Hobby	Colchester .....	.....	1,058	.....	.....	.....
8	Frank Burdick	Industry .....	.....	1,000	.....	.....	.....
9	Samuel Oldham	Colchester .....	.....	960	.....	.....	.....
10	Jaylor & Bexson	Blandinsville..	.....	960	.....	.....	.....
11	Thos. E. Wilson	do .....	.....	880	.....	.....	.....
12	Wm. H. Robinson	Colchester .....	.....	880	.....	.....	.....
13	T. L. Bowman	Industry .....	.....	800	.....	.....	.....
14	Michael Humes	Colchester .....	.....	616	.....	.....	.....
15	Wayland Bros	do .....	.....	581	.....	.....	.....
16	John Berry	do .....	.....	540	.....	.....	.....
17	C. Waddell	Tennessee .....	.....	528	.....	.....	.....
18	Wm. Kipling	Colchester .....	.....	500	.....	.....	.....
19	Wm. Jones	do .....	.....	488	.....	.....	.....
20	Walter Upham	do .....	.....	480	.....	.....	.....
21	Marion McClure	do .....	.....	458	.....	.....	.....
22	Wm. Hulson	do .....	.....	437	.....	.....	.....
23	Reynolds & Lowry	do .....	.....	431	.....	.....	.....
24	Cooper & Stone	do .....	.....	416	.....	.....	.....
25	Wm. Edington	Macomb .....	.....	402	.....	.....	.....
26	Ala. Vawter	Colchester .....	.....	400	.....	.....	.....
27	Lewis Lewis	do .....	.....	400	.....	.....	.....
28	Geo. W. Foster	do .....	.....	400	.....	.....	.....
29	Fred Curtis	Industry .....	.....	400	.....	.....	.....
30	Harper & Swanson	Colchester .....	.....	375	.....	.....	.....
31	John Betson	do .....	.....	360	.....	.....	.....
32	Russell & Moon	do .....	.....	360	.....	.....	.....
33	Frank Voglar	Birmingham ..	.....	352	.....	.....	.....
34	Ora Barrett	Colchester .....	.....	320	.....	.....	.....
35	Joseph Bunt	do .....	.....	320	.....	.....	.....
36	Bradley Dunbar	do .....	.....	280	.....	.....	.....
37	Wm. Whalen	do .....	.....	280	.....	.....	.....
38	C. H. Price	Macomb .....	.....	252	.....	.....	.....
39	Richard Laity	Colchester .....	.....	251	.....	.....	.....
40	Lee McClure	do .....	.....	244	.....	.....	.....
41	Eli Hilliard	do .....	.....	240	.....	.....	.....
42	Isaac Fisher	do .....	.....	240	.....	.....	.....
43	Willis Stoneging	Fandora .....	.....	212	.....	.....	.....
44	Jackson Gilligan	Industry .....	.....	200	.....	.....	.....
45	George Moon	Colchester .....	.....	200	.....	.....	.....
46	J. E. Smith	do .....	.....	160	.....	.....	.....
47	Andrew Swanson	do .....	.....	160	.....	.....	.....
48	Wm. Baker	Macomb .....	.....	160	.....	.....	.....

McDonough County—Fourth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand	EMPLOYEES.			
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	Number.
279	14,114	\$22,645	14,114				250	14,114	30	2	32	1
	9,019	12,185	8,740				125	9,019	35	5	40	2
279	23,133	\$35,780	22,854				279	23,133	65	8	73	
280	5,184	\$9,318			4,904	280	220	5,184	18	2	20	1
	1,914	3,589			1,914		125	1,914	10		10	2
154	1,787	3,343			1,633	154	240	1,787	7		7	3
	1,600	2,900			1,600		275	1,600	2		2	4
	1,242	2,323			1,242		250	1,242	5		5	5
80	1,150	2,180			1,070	80	280	1,150	4		4	6
	1,058	1,851			1,058		125	1,058	4	1	5	7
	1,000	2,250			1,000		240	1,000	5	1	6	8
	960	1,680			960		160	960	6		6	9
80	1,040	2,440			960	80	300	1,040	4	1	5	10
	880	2,200			880		250	880	6	1	7	11
	830	1,600			830		200	830	5	1	6	12
	800	1,600			800		160	800	6	1	7	13
	616	1,078			616		250	616	3		3	14
	581	1,017			581		160	581	3		3	15
	540	1,080			540		180	540	3		3	16
	528	1,188			528		290	528	2		2	17
	500	1,000			500		160	500	2		2	18
	488	976			488		130	488	5		5	19
	480	780			480		300	480	1		1	20
	458	916			458		198	458	5		5	21
	437	874			437		120	437	5		5	22
	431	862			431		110	431	2		2	23
	416	832			416		120	416	2		2	24
	402	905			402		175	402	4		4	25
	400	800			400		150	400	3		3	26
	400	800			400		150	400	2		2	27
	400	850			400		200	400	2		2	28
	400	800			400		100	400	3		3	29
	375	750			375		250	375	3		3	30
	360	540			360		240	360	1		1	31
	360	810			360		100	360	4		4	32
	352	616			352		110	352	2		2	33
	320	580			320		120	320	2		2	34
	320	640			320		125	320	3		3	35
	280	525			280		240	280	2		2	36
	280	490			280		40	280	5		5	37
	252	441			252		160	252	2		2	38
	251	502			251		155	251	2		2	39
	244	488			244		204	244	1		1	40
	240	510			240		115	240	2		2	41
	240	480			240		75	240	2		2	42
	212	371			212		90	212	2		2	43
	200	400			200		140	200	3		3	44
	200	400			200		60	200	4		4	45
	160	280			160		130	160	2		2	46
	160	320			160		130	160	1		1	47
	160	320			160		50	160	2		2	48

McDonough County—Fourth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES— <i>Concluded.</i>							
49	Patrick Whalen	Colchester		160			
50	Charles Porter	do		158			
51	King & Peck	do		140			
52	Anton Loksik	do		136			
53	John Reeder	do		120			
54	E. W. Miller	do		120			
55	George McIntire	Industry		120			
56	J. C. Witchell	Vermont		111			
57	Samuel McCord	Colchester		100			
58	Jasper Waller	do		80			
59	Oswald Baird	do		44			
60	Hoar & Foster	do		40			
61	Wm. Russell	do		40			
62	Geo. Polonus	do		40			
63	Wm. Webster	do		40			
64	Joseph Stone	do		40			
65	Fox Bros	do		40			
Totals				32,823			
Totals—67 mines.			7,306	44,616			3,755

McLean County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	McLean County Coal Co	Bloomington ..	10,000	80,000	4,000	5,000	4,000
2	Colfax Coöperative Coal Co.....	Colfax	9,108	6,285	.....	.....	7,819
3	Easterly Coal & Mining Co.....	Chenoa.....	7,213	3,500	.....	.....	.....
Totals.....			26,321	89,785	5,000	6,000	11,819

Mines reported for 1905, 3.
Mines in 1906, 3.

McLean County—Fourth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation	Tons mined by hand	EMPLOYEES.		
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners	At other employes.	Total.
12,000	115,000	\$168,600	18,000	23,500	52,500	23,000	■	115,000	200	76	276 1
2,075	26,387	37,291	11,343	6,990	4,939	3,075	301	26,287	27	18	45 2
600	11,213	18,541	6,886	.	3,500	825	255	11,213	15	10	25 3
15,575	152,500	\$224,432	34,231	30,490	60,939	26,900	255	152,500	242	104	346

Tazewell County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Tazewell Coal Co	Pekin	47,535	9,523	.....	.....	4,206
2	Phoenix Coal Co	Peoria	44,652	.....	.....	.....	.....
3	Erie Star Coal Co.....	..do.....	5,016	10,305	.....	.....	6,371
4	Grant Bros.....	Pekin	1,960	9,320	.....	.....	2,820
Totals			99,163	29,148	.....	.....	13,397
LOCAL MINES.							
1	Eastern Coal Co.....	Peoria	23,533	.....	.....	.....	.....
2	Carter's Coal & Mining Co.....	..do.....	8,968	3,564	.....	.....	.....
3	Manhattan Fuel Co.....	East Peoria...	7,000	.....	.....	.....	.....
4	A. B. Cummings .....	..do.....	.....	4,000	.....	.....	.....
5	Dering Coal Mining Co.....	..do.....	.....	3,780	.....	.....	.....
6	Champion Coal Co.....	Pekin .....	.....	3,473	.....	.....	.....
7	Giebelhausen & Son.....	Peoria .....	.....	3,100	.....	.....	.....
8	Bohlander Bros.....	Pekin .....	.....	4,184	.....	.....	.....
Totals			39,501	22,101	.....	.....	.....
Totals—12 mines.....			138,664	51,249	.....	.....	13,397

Mines reported for 1905, 12.
New mines, 2.
Abandoned mines, 2.
Mines in 1906, 12.

Tazewell County Fourth District—Concluded.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes	Total.	
484	61,748	\$69,887	57,442	.	8,822	484	210	61,748	86	21	107	1
	44,652	51,259	44,652	.			189	44,652	49	25	74	2
500	22,192	24,007	10,133	....	11,559	500	178	22,192	23	9	32	3
	14,100	16,528	1,960	.	9,820	2,820	180	14,100	15	7	22	4
984	142,692	\$161,273	114,187	.	24,701	8,804	177	142,692	173	62	235	
	23,533	\$32,946	.	.	23,234	299	189	23,533	30	6	36	1
2,000	14,532	16,311	.	.	14,064	448	249	14,532	16	5	21	2
	7,000	9,750	.	.	6,900	100	175	7,000	10	3	13	3
1,710	5,710	8,684	.	.	5,533	177	137	5,710	13	4	17	4
1,620	5,400	8,480	.	.	5,400		209	5,400	9	2	10	5
1,439	4,962	6,822	.	.	4,756	208	208	4,962	8	2	10	6
1,620	4,620	5,230	.	.	4,620		250	4,620	6	2	8	7
	4,184	7,322	.	.	4,004	180	200	4,184	6	2	8	8
5,239	69,941	\$90,435	....	.	68,531	1,410	201	69,941	97	36	123	
9,823	212,633	\$251,707	114,187	.	98,232	5,214		212,633	270	88	358	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Fulton	23	158,356	627,907	264,117	59,636	340,727	67,835	1,518,568	\$0.59	
Hancock.	1	..	8,400	..	..	..	..	8,400	1.25	
McLean	3	26,321	90,785	4,000	5,000	11,819	15,675	152,500	0.7073	
McDonough	2	7,908	11,792	..	..	3,755	279	23,133	1.09	
Tazewell	4	99,163	29,148	..	..	13,837	964	142,692	0.5991	
Totals and av	33	290,146	767,033	268,117	64,636	369,638	84,673	1,843,293	\$0.6068	

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Fulton	65	200	67,925	..	61	8,968	50	77,225	\$0.7886	
Hancock.	4	..	2,507	..	..	..	..	2,507	1.25	
McDonough	65	..	32,623	..	..	..	594	33,417	1.317	
Tazewell	8	39,501	22,101	..	..	..	9,339	69,941	0.5913	
Totals and av	142	39,701	125,357	..	61	8,968	8,983	183,090	\$0.8167	
Totals, district--all mines	175	329,847	892,890	268,117	64,637	378,696	93,656	2,026,363		

Whole number of mines reported in 1905, 142.

Number of new mines opened during the year, 62.

Number of mines exhausted or abandoned during the year, 29.

Whole number of mines reported for 1906, 175.

Counties—Fourth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total.
184	1,516,568	.....	\$1.1842	\$1.4197	\$1.3294	\$1.1544	\$0.4792	\$0.4253	1,852	743	2,595
210	8,400	.....	.....	2.00	.....	.....	.....	.....	10	2	12
255	152,500	.....	1.3696	1.8149	1.60	1.00	0.9446	0.1838	242	104	346
187	23,133	.....	1.50	1.85	.....	.....	0.80	.....	65	9	73
177	142,692	.....	1.1474	1.4057	.....	.....	0.4789	0.10	173	62	235
192	1,843,293	.....	\$1.1964	\$1.4784	\$1.3334	\$1.1424	\$0.4973	\$0.3734	2,342	919	3,261

Counties—Fourth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total.
137	77,225	.....	\$1.25	\$1.4374	.....	\$1.00	\$1.119	.....	203	23	226
153	2,507	.....	.....	2.00	.....	.....	.....	.....	17	4	21
145	33,417	.....	.....	1.9534	.....	.....	.....	0.4717	206	8	214
201	69,941	.....	1.3053	1.5866	.....	.....	.....	0.4567	97	26	123
145	183,090	.....	\$1.305	\$1.6101	.....	\$1.00	\$1.119	\$0.4574	523	61	584
.....	2,026,383	.....	.....	.....	.....	.....	.....	.....	2,865	980	3,845

FIFTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Edgar, Macon, Vermilion.

THOMAS HANNAH, *Inspector*, Danville.

HON. DAVID ROSS,

Secetary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the coal mines in the fifth inspection district for the year ended June 30, 1906.

The tabular statements following the different items called for in the schedules returned by the operators. The following is a summary of the items contained in the reports of the several counties:

Number of mines.....	66
Number of new mines.....	6
Number of abandoned mines.....	18
Number of shipping mines.....	26
Number of local mines.....	40
Tons of mine run coal.....	1,560,324
Tons of lump coal.....	458,599
Tons of egg coal.....	45,856
Tons of nut coal.....	59,796
Tons of pea or screenings coal.....	154,141
Tons of slack or waste coal.....	4,802
Total tons of all grades of coal.....	2,283,018
Average value of mine run coal per ton at the mine.....	\$1.118
Average value of lump coal per ton at the mine.....	\$1.522
Average value of egg coal per ton at the mines.....	\$1.144
Average value of nut coal at the mines.....	\$1.085
Average value per ton of pea or screenings.....	\$0.882
Average value per ton of slack or waste coal.....	\$0.564
Aggregate value of total product of all mines.....	\$2,384,395
Tons loaded on cars for shipment.....	1,881,911
Tons supplied to locomotives.....	38,688
Tons sold to local trade.....	817,092
Tons consumed or wasted at the mine.....	50,382
Average number of days of active operation, shipping mines.....	198
Tons mined by hand.....	2,047,972
Tons mined by machine.....	235,046
Number of machines in use.....	51
Number of miners.....	2,725
Number of other employes underground.....	895
Number of boys underground.....	116
Number of employes above ground.....	261
Total number of all employes.....	3,997
Number of kegs of powder consumed.....	78,684
Quantity of dynamite used, pounds.....	8,275
Number of fatal accidents.....	15
Number of non-fatal accidents.....	23
Number of wives made widows.....	9
Number of children left fatherless.....	26
Number of employes to each fatal accident.....	266
Number of tons of coal to each fatal accident.....	152,201
Ratio of fatal accidents per 1,000 persons employed.....	3.8
Number of employes to each non-fatal accident.....	174
Number of tons to each non-fatal accident.....	99,262

The apportionment of the counties of the State into ten inspection districts, instead of seven, which went into effect July 1, 1905, made this, the fifth, an entirely new district. The coal producing counties now comprising this district being Edgar, Macon and Vermilion, all of which were previously in the fourth district.

The following comparative table shows the total tonnage of each county, with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL OUTPUT IN TONS.		Increase.	Decrease.
	1905	1906		
Edgar	5,550	3,300	.....	2,250
Macon.....	196,628	266,883	70,255	.....
Vermilion	2,618,375	2,012,835	.....	605,540
Total	2,820,553	2,283,018	70,255	607,790
Net decrease .....	.....	.....	.....	537,535

NEW MINES.

The Vermilion Coal Co. has put down two shafts, hoisting and escapement, on the line of the C., C., C. & St. L. railroad about three miles south of Westville, Vermilion county. The coal seam is No. 6 of the geological section. The hoisting engines are 20 by 36 inches, built by the Danville Machine Co., Danville, Illinois. The air compressors are 20 by 20 inches. The capacity being 950 cubic feet, built by the Sullivan Machinery Co. Also three Atlas engines, with boilers 72 inches by 18 feet, having 70-4 inch flues, capacity 150 H. P. The cage room or side track for cars at the bottom is 14 feet wide in the clear, nine feet high in the center at cage and runs down to seven and one-half feet in center, a distance of 175 feet on the west side; on the east side it is 11 feet high in center at the cage, and nine and one-half feet high, 25 feet from the bottom, it is arched with cement walls 18 inches thick and at the center of the arch one foot.

The Sherron Coal, Brick and Tile Co. is opening out a new mine two miles south of Georgetown, Vermilion county. The shaft is down to No. 6 seam; the coal is five feet thick at a depth of 245 feet. The company is using the engine from the abandoned mine formerly operated at Fairmount.

Howard is putting down a shaft for the local coal trade on the Howard farm about two miles east of Himrod, Vermilion county.

ABANDONED MINES.

In Vermilion county, the Consolidated Coal Co., St. Louis, Mo., has abandoned its mine at Fairmount.

The Kelley Coal Co. has abandoned its No. 3 mine at Westville.

G. H. Haskins has abandoned the mine known as Brookside, at Grape Creek.

IMPROVEMENTS.

The Kelley Coal Co. has removed the large fan from its abandoned mine No. 3, Westville, and placed it at its No. 5 mine at Danville. This was a much needed change as the fan at the No. 5 mine was too small to produce the quantity of air required for the men at work in the mine.

The Muncie Coal Co., Muncie, Vermilion county, has made a new connection with the escapement shaft of its mine.

The Dering Coal Co., Westville, has put overcasts in its No. 1 and No. 2 mines.

ENFORCEMENT OF THE MINING LAWS.

I had to apply to the State's attorney of Vermilion county to compel the Dering Coal Co. to comply with the law in regard to overcasts in its mines.

MINE FIRE.

The second of February, 1906, the fan house and tippie at the mine of the DeWitt Coal Co., located at Paris, Edgar county, were burned down. The fire was discovered about 12:00 o'clock midnight. It is supposed that some person set fire to the fan house.

FATAL ACCIDENTS.

July 19, 1905. Paul Wenckers, miner, aged 35 years, single, was killed at 1:30 p. m. by falling rock in the Dering Coal Co.'s mine at South Westville.

July 21, 1905. Joseph Hastie, loader, aged 24 years, single, was killed in the mine of the Manufacturers and Consumers Coal Co., Decatur, Macon county, by falling slate. Suit for damages in this case was brought before the courts twice, when, at the second trial, the company took it out of court and settled the claim.

July 29, 1905. Andrew Trehibirka, miner, aged 25 years, married, a native of Russia, was seriously injured in the Dering Coal Co.'s mine No. 1, Westville, by falling rock. He died from his injuries August 9, 1905, and leaves a widow and two children.

October 2, 1905. John Stous, miner, aged 35 years, married, Hungarian, was instantly killed by falling rock in the Dering Coal Co.'s mine No. 1. Deceased had gone into the gob, a place where he had no business to be, when a heavy fall of rock came down on him. He leaves a widow and two children.

November 2, 1905. John Klumirckik, miner, aged 45 years, married, Austrian, was killed by falling rock at the face of his room in the Dering Coal Co.'s mine No. 2. He leaves a widow and four children.

November 2, 1905. George Moss, miner, aged 26 years, married, had his spine broken in the Spangler & Jones mine, Danville, Vermilion county. A piece of rock had slipped through between two bars, the bars not being properly propped were spread apart letting the rock fall on him. He died in St. Elizabeth hospital, Danville, November 24, 1905, leaving a widow and two children.

November 9, 1905. Peter Autilla, driver, 19 years, single, a native of Russia, received injuries in the Dering Coal Co.'s mine No. 2, Westville, Vermilion county, by having his head crushed between pit cars. He died the following day.

November 10, 1905. Adrin Rodgers, miner, aged 40 years, single, a native of Belgium, was killed by falling rock at the face of his room in the Dering Coal Co.'s mine No. 2, Westville, Vermilion county. I inspected this mine November 2, and found it in a dangerous condition, needing additional props set to support the roof. I called the attention of this man at that time to the dangerous condition, and stopped him from loading any more coal until he had set timbers opposite in the side room and also at the working face. I also called the attention of the mine manager to the condition of this room and gave him orders not to allow the men to load any more coal until the props were set. I was called back to the mine on the 10th of November and found the props had been set opposite the side room, but only three props had been set in the room since my previous visit.

November 11, 1905. John Cummins, driver, aged 28 years, single was killed in the Dering Coal Co.'s mine No. 2, being run over by pit cars. This was the first day deceased had worked in this mine. He was bringing his trip down the incline in the mine without sprags. The cars jumping from the track at the foot of the entry passed over him, killing him instantly. He formerly worked in mines at Pana.

December 28, 1905. Clarence Gerrard, night boss, aged 30 years, married, was killed in the Dering Coal Co.'s mine No. 2 by falling rock. There were two men loading rock in the entry, when Gerrard came in to see them, about

Table Showing the Nature of Injuries, Number of Persons Injured Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Ankles broken.....	1				90	90.00	4.35
Ankles injured	1				40	40.00	4.35
Body injured.....	13				385	32.08	56.52
Eye injured	1						4.35
Foot injured.....	1				30	30.00	4.35
Leg broken.....	2				240	120.00	8.69
Leg injured.....	4				185	46.25	17.39
Totals, averages and percentages...	23				970	46.19	100.00

Vermilion County—Fifth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MI				
			Mine run.	Lump.	Egg.	Nut.	
SHIPPING MINES.							
1	Dering Coal Co., No. 1.....	Westville.....	304,178				
2	Dering Coal Co., No. 2.....	do.....	301,810				
3	Kelly Coal Co., No. 4.....	Danville.....	180,260	43,902			3
4	Kelly Coal Co., Pawnee.....	do.....	22,860	98,511	25,168	21,144	1
5	Kelly Coal Co., No. 5.....	do.....	157,050				
6	Kelly Coal Co., Himrod.....	do.....	30,108	40,112	20,188	16,143	
7	Electric Coal Co., Electric.....	do.....	81,292				
8	Dering Coal Co., No. 3.....	Westville.....	56,052				
9	Kelly Coal Co., No. 2.....	Danville.....	45,960	5,130			
10	Chicago Collieries Co., No. 10.....	Catlin.....	3,467	32,916		490	1
11	Consolidated Coal Co., Fairmount.....	Fairmount.....	46,920				
12	Economy Coal Co.....	Danville.....	43,516	677			
13	E. S. Gray Coal Co., No. 4.....	do.....	44,000				
14	Oakwood Coal Co.....	Oakwood.....	5,198	20,805			
15	Dering Coal Co., No. 4.....	Westville.....	33,214				
16	Mauck Bros., No. 2.....	Danville.....	15,000	8,000			
17	Salt Fork Coal Co.....	Oakwood.....	25,500				
18	Bunting Bros.....	Grape Creek.....	20,084	2,586			
19	Vermilion Coal Co., No. 1.....	Georgetown.....	9,815				
20	John O'Connell Coal Co., Blue Bird.....	Danville.....	7,182				
21	G. H. Haskins, Brookside.....	Grape Creek.....		1,102		88	
Totals.....			1,433,466	253,741	45,356	37,865	9
LOCAL MINES.							
1	Reynolds & Bales.....	Tilton.....	15,000				
2	J. H. Pearl.....	Danville.....		10,000			
3	Tilton Coal Co.....	Tilton.....	12,865				
4	Stansbury & Watkins.....	Danville.....		4,500			
5	D. A. Jenkins.....	do.....		4,500			
6	L. S. Miller.....	do.....	6,400				
7	Joe Mauck.....	do.....		5,550			
8	Bryant & Spicer.....	Grape Creek.....		5,000			
9	France Bros.....	Fairmount.....		4,000			
10	Miller & Spangler.....	Danville.....		4,300			
11	Adolph Roland.....	Grape Creek.....		3,600			
12	W. C. Shafer.....	Danville.....		2,750			
13	Lawrence Beluki.....	Catlin.....		3,000			
14	A. H. Bonnett.....	Collison.....		3,000			
15	John Edwards.....	Vandercrook.....	3,600				
16	Webster Bros.....	Danville.....		3,568			
17	Cantrall Bros.....	do.....		3,400			
18	Jones & Spangler.....	do.....		1,080			
19	Carter Bros.....	do.....	3,000				
20	W. Van Horn.....	do.....	3,000				
21	Aldridge & Wolf.....	do.....		3,000			
22	M. C. Wilkinson.....	do.....		1,500			
23	Joe Thompson.....	Grape Creek.....		2,000			
24	G. H. Haskins.....	do.....		1,828			
25	Aug. Hind.....	Danville.....		2,496			
26	Jacob Thompson.....	Grape Creek.....		2,200			
27	S. Royce.....	Danville.....		1,600			
28	S. C. Bryant.....	Grape Creek.....		2,000			
29	Crawford & Son.....	Collison.....		2,000			
30	F. Woodward.....	Fairmount.....		1,000			
31	S. Thomas.....	Catlin.....		861			

Vermilion County—Fifth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
Black or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.
											Number.
	304,178	\$288,969	299,298			5,780	225	304,178	275	116	391
	301,810	283,701	295,010			3,800	236	292,810	250	107	357
	254,345	230,067	252,465		300	1,650	240	173,066	216	123	327
	182,310	198,087	174,591		519	7,200	216	182,310	192	116	310
	157,050	149,198	150,082		4,206	2,812	112	157,050	206	93	298
	174,111	117,805	107,013		518	6,580	141	73,950	191	64	275
	81,292	93,486	79,755		157	1,380	252	91,292	86	42	127
	56,052	53,249	56,052					56,052	75	44	119
	53,656	49,973	43,248		8,002	2,411	100	53,656	120	55	175
	53,637	61,931	49,506		1,053	3,079	148	53,637	82	49	132
	46,920	51,612	42,967		2,100	1,853	146	46,920	70	37	107
925	46,472	53,070	12,693	31,262	728	789	248	46,472	68	28	96
	44,000	39,600	43,200			800	250	44,000	60	10	60
	34,657	36,621	27,500		6,539	613	206	34,657	35	16	51
	33,214	31,221	33,214					33,214	90	44	124
	29,000	30,700	15,000		13,500	600	210	29,000	28	7	35
	25,500	25,500	25,000			500	86	25,500	25		25
	24,590	29,649	23,376		734	490	252	24,590	47	16	63
	9,915	11,778	9,000			815	86	9,915	36	15	50
	7,182	8,978	6,892			290	62	7,182	56	20	75
	1,658	1,578	560		1,098		102	1,658	3	2	5
925	1,861,449	\$1,845,863	1,749,408	31,262	29,354	41,387	192	1,731,029	2,192		3,217
	15,000	\$15,000			15,000		250	15,000	22	5	26
	15,000	21,000			15,000		255	15,000	15	4	19
	12,865	12,865			12,865		282	12,865	9	1	10
		11,700			9,000		290	9,000	8	1	9
	8,500	11,075			8,500		250	8,500	16	5	20
	6,400	8,000			6,400		300	6,400	6		6
	5,550	5,550			5,550		300	5,550	5	2	7
	5,000	6,250			5,000		110	5,000	10		10
	5,000	6,870			5,000		180	5,000	9	2	12
	4,300	7,525			4,300		190	4,300	3	2	5
	4,050	5,963			4,050		250	4,050	4		4
	4,000	4,750			4,000		280	4,000	4	3	7
	4,000	5,540			4,000		200	4,000	3	2	5
	4,000	5,500			3,800	100	160	4,000	13	3	16
	3,800	4,572			3,600		240	3,600	4	1	5
	3,568	6,422			3,568		248	3,568	7	2	9
	3,400	5,950			3,400		246	3,400	6	2	8
	3,056	4,513			3,056		210	3,056	5	1	6
	3,000	3,000			3,000		200	3,000	5	1	6
	3,000	5,250			3,000		156	3,000	5	2	7
	3,000	5,250			3,000		220	3,000	4	2	6
	3,000	3,750			3,000		200	3,000	4	2	6
	2,800	3,952			2,800		260	2,800	6	2	8
	2,742	3,656			2,742		151	2,742	14	4	18
	2,646	3,894			2,646		220	2,646	3	1	4
	2,450	3,800			2,450		180	2,450	4		4
	2,300	3,000			2,200		200	2,300	3	1	4
	2,000	2,500			2,000		220	2,000	3	1	4
	2,000	3,000			2,000		200	2,000	3	2	10
	1,200	1,700			1,200		200	1,200	4	1	5
	1,017	1,447			1,017		215	1,017	3		3

Vermilion County—Fifth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES— <i>Concluded.</i>							
32	S. M. Hodge & Son	Danville		1,000			
33	J. E. Mueller.....	Catlin		760			100
34	B. H. Spangler.....	Danville		600			200
35	Ben R. Beddow	do.....		790			
36	L. E. Baker.....	Oakwood.....		300			
37	H. Young	Danville	200				
38	Wilkinson & Gay	Grape Creek ..		92			
Totals			44,065	82,275			25,046
Totals—59 mines.....			1,477,531	336,016	45,356	37,865	115,142

Mines reported for 1905, 65.
New mines, 5.
Abandoned mines, 12.
Mines in 1906, 59.

Vermilion County—Fifth District—Concluded.

Slack or waste in tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Number.
	1,000	\$ 1,500	.....	.....	1,000	.....	180	1,000	23	3	6 52
	960	1,088	.....	.....	860	.....	160	960	22	1	4 83
	800	1,100	.....	.....	500	.....	200	800	23	3	6 34
	790	988	.....	.....	790	.....	240	790	22	1	3 35
	300	450	.....	.....	300	.....	100	300	1	4	1 36
	200	350	.....	.....	200	.....	150	200	4	2	6 57
	92	138	.....	.....	92	.....	10	92	3		3 38
	151,386	\$196,058			151,286	100	207	151,386	234	66	300
925	2,012,835	\$2,043,921	1,749,466	31,262	190,640	41,467		2,012,835	2,426	1,091	3,517

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run	Lump.	Egg	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Macon	5	82,798	119,283	...	21,931	38,999	3,877	265,888	\$0.6326	\$0.5429
Vermilion	21	1,423,496	253,741	45,356	37,865	90,096	925	1,861,449	0.5313	0.45
Totals and av . .	26	1,516,294	373,024	45,356	59,796	129,095	4,802	2,127,337	\$0.5815	\$0.4919

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Edgar	2		3,300					3,300	\$0.55	
Vermilion	38	44,065	82,275			25,046		151,386	0.5491	
Totals and av . .	40	44,065	85,575			25,046		154,686	\$0.5491	
Totals, district all mines	66	1,560,324	458,599	45,356	59,796	154,141	4,802	2,233,018		

Counties—Fifth District.—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
195	162,258	104,625	\$1.258	\$1.5783	.....	\$1.0252	\$0.529	\$0.4236	290	176	466
192	1,731,028	130,421	0.9759	1.1876	\$1.1444	1.1199	0.5566	1.15	2,192	1,025	3,217
193	1,893,286	235,046	\$0.9913	\$1.313	\$1.1444	\$1.0851	\$0.5483	\$0.564	2,482	1,201	3,683

Counties—Fifth District.—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
95	3,300	.....	.....	\$1.00	.....	.....	.....	.....	9	5	14
207	151,386	.....	\$1.1128	1.5427	.....	.....	\$0.8821	.....	234	66	300
201	154,686	.....	\$1.113	\$1.522	.....	.....	\$0.8921	.....	243	71	314
.....	2,047,972	235,046	.....	.....	.....	.....	.....	.....	2,725	1,272	3,997

SIXTH INSPECTION DISTRICT, 1906.

FIRST ANNUAL REPORT.

Counties—Brown, Cass, Morgan, Logan, Menard, Sangamon, Schuyler.

FRANK J. CAMPBELL, *Inspector*, Springfield.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I have the honor to submit herewith the first annual report of the sixth inspection district. The counties of this district in which coal is produced are Brown, Cass, Logan, Menard, Sangamon, Schuyler.

The following summary shows the principle items which are contained in the tabulated schedules:

Number of mines.....	83
Number of new mines.....	6
Number of abandoned mines.....	5
Number of shipping mines.....	49
Number of local mines.....	84
Total tons of coal produced, all grades.....	5,160,607
Total tons of mine run coal.....	1,437,204
Total tons of lump coal.....	2,273,820
Total tons of egg coal.....	136,701
Total tons of nut coal.....	199,783
Total tons of pea or screenings coal.....	918,156
Total tons of slack or waste coal.....	194,943
Total tons on cars for shipment.....	4,493,078
Tons supplied to locomotives.....	129,877
Tons sold to local trade.....	333,162
Tons consumed and wasted at mines.....	204,490
Tons mined by hand.....	4,679,894
Tons mined by machine.....	480,713
Average number of days of operation,, shipping mines.....	181
Number of mines using machines.....	3
Number of machines in use.....	27
Number of machines operated by electricity.....	27
Number of miners.....	5,363
Number of other employes underground.....	1,567
Number of boys underground.....	203
Number of employes on surface.....	723
Total number of employes.....	7,856
Aggregate value of total product of mines.....	\$5,069,953
Number of fatal accidents.....	15
Number of wives made widows.....	13
Number of children left fatherless.....	53
Number of non-fatal accidents.....	47
Number of tons mined to each fatal accident.....	344,040
Number of tons mined to each non-fatal accident.....	109,800
Number of persons employed to each fatal accident.....	524
Number of persons employed to each non-fatal accident.....	167
Ratio of persons killed to each 1,000 persons employed.....	1.9
Number of kegs of powder used in blasting.....	215,223
Quantity of dynamite used, pounds.....	1,555
Average value per ton, mine run coal, at the mine, shipping mines.....	\$0.966
Average value per ton, lump coal, at the mine, shipping mines.....	\$1.22

Average value per ton, egg coal, at the mine, shipping mines.....	\$1.05
Average value per ton, nut coal, at the mines, shipping mines.....	\$0.998
Average value per ton, pea or screenings coal, at the mines, shipping mines	\$0.513
Average value per ton, slack or waste coal, at the mines, shipping mines....	\$0.828

The redistricting of the State forming ten coal mine inspection districts instead of seven, which went into effect July 1, 1905, made a complete change in the counties formerly composing the sixth district. The counties now forming the sixth district are Cass, Menard and Schuyler, transferred from the old third district, Logan from the fourth, and Brown and Sangamon from the fifth.

The following table presents the output of these counties for the two years, 1905 and 1906, with the increase and decrease in tonnage:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Brown	1,606	1,694	88	.....
Cass	2,590	750	.....	1,840
Logan	384,288	450,127	65,839	.....
Menard.....	448,433	536,273	87,840	.....
Sangamon.....	4,395,050	4,155,431	.....	239,619
Schuyler.....	21,470	16,532	.....	5,138
Totals	5,253,437	5,160,607	153,767	246,597

Net total decrease, 92,830.

The output of Logan county shows an increase of 65,839 tons or 17.13 per cent, Menard an increase of 87,840 tons or 19.59 per cent, while Sangamon shows a decrease of 239,619 tons or 5.45 per cent. These are the large coal producing counties in this district.

NEW MINES.

The Mechanicsburg Coal Co., Mechanicsburg, Sangamon county, has sunk a shaft, the dimensions of which are 7 by 14 feet; the air shaft is not quite completed, it is the same size as the hoisting shaft. This mine is equipped with a pair of Litchfield engines 30 by 36 inches, the drum is 7 feet in diameter. The engine room is 28 by 32 feet, constructed of brick. There are two boilers, manufactured at Erie, Pennsylvania, 6 by 18 feet, each containing 68 3-inch tubes. The boiler room is 32 by 52 feet. The mine is also equipped with Duncan shaker screens and cages. The surface construction is fairly substantial throughout.

The Spring Creek Coal Co. has sunk a shaft two and one-half miles west of Springfield, Sangamon county, on the line of the B. & O. S.-W. R. R. The main shaft is 8 by 14 feet, the escapement shaft is 8 by 13 feet equipped with a substantial stairway. The fan is 20 feet, homemade. The hoisting engines are of the Aetna make 20 by 36 inches. The drum is 5 feet 7 inches in diameter, and is equipped with a steam brake. There are two boilers made at the Drake boiler works, Springfield. They are 5 by 14 feet, containing 52 4-inch tubes in each. The mine is also equipped with Duncan shaker screens and cages. The plant is substantially constructed throughout and presents a very fine appearance.

The Littleton Coal Co., Macomb, McDonough county, has sunk a shaft at Littleton, Schuyler county. The dimensions are 6 feet 6 inches by 11 feet. The escapement shaft is 4 by 4 feet with a substantial stairway. The fan is 10 feet in diameter. The hoisting engine is second motion, and was built at Ottumwa, Iowa. There are two tubular boilers 40 inches by 12 feet. The mine is worked at present by the long-wall system. The mine is of small capacity.

A new mine is being sunk at Tallula, Menard county, which is intended for the local trade.

Another local mine is being sunk about two miles north of Richland, Sangamon county, it is now down about 100 feet.

IMPROVEMENTS.

The Springfield Coal Mining Co. has installed a new homemade fan 20 feet in diameter at its No. 3 mine; also one of like pattern and dimensions at its No. 5 mine, Springfield. At the No. 5 mine the company has also erected a fine new steel tower, and tippie to replace the wooden one which was burned down last March.

The Lincoln Coal Co., Lincoln, Logan county, has retimbered the escape-ment shaft of its mine for a distance of 70 feet from the top. The company has also put in new shaker screens and bins, and are now making four grades of coal.

The West End Coal Co., Springfield, has erected a new frame tower and also put in new Duncan cages, self-dumping.

The Latham Coal Co., Lincoln, Logan county, has replaced its old hoisting engines with a very fine pair of Litchfield engines. These engines are equipped with a steam brake and also with a self-acting attachment to prevent overwinding. The engines are 24 by 40 inches, the drum 8 feet in diameter.

CHANGES OF CORPORATE NAMES.

The Peabody Coal Mining Co., Sherman, Sangamon county, changed its corporate name and is now known as the Illinois Midland Coal Co.

The Lincoln Coal Co., Lincoln, Logan county, has changed its title to the Lincoln Mining Co.

FATAL ACCIDENTS.

The following gives a detailed account of the fatal accidents which have occurred in the sixth inspection district during the year ending June 30, 1906:

August 17, 1905. Levi Trowe, shot firer, aged 46 years, married, was killed by flying coal from a shot, at the Springfield Coal Mining Co.'s No. 1 mine, Riverton. Deceased thinking the shot had missed fire was returning to relight it when the shot exploded. He leaves a widow and three children.

September 9, 1905. Adam Emig, shot firer, aged 46 years, married, was killed by flying coal from a shot at the Springfield Coal Mining Co.'s No. 1 mine. He was in the act of returning to the shot, which he supposed had missed fire, when the shot exploded, injuring him so that he died in a few minutes. He leaves a widow and nine children.

September 29, 1905. William Krueger, shot firer, aged 45 years, married, was killed by flying coal at the Sangamon Coal Co.'s mine No. 2. Deceased and his partner, Thomas Bambrough, had lighted two squibs, one a gas, the other sulphur, and had withdrawn to a safe place. One squib, afterwards shown to be the sulphur, fired on time, the gas squib hung, and after waiting a time considered long enough to cover any danger, the two men went into the working place. Krueger was ahead, the shot exploding when he was withing a few feet of it. He leaves a widow and one child.

October 11, 1905. Dan Mitchelson, shot firer, aged 50 years, married, was killed by flying coal from a shot at the Wabash Coal Co.' mine No. 2, Athens. He was returning to relight a shot which was supposed to have gone out. When about 30 feet from the face it exploded, with its fatal effect. He leaves a widow and four children.

October 12, 1905. Paul Pouse, shot firer, 36 years old, married, was killed by the premature explosion of a shot in the mine of the Latham Coal Co., Lincoln, Logan county. It is supposed that while tamping the shot he struck some sulphur in the hole causing the ignition of the powder. He leaves a widow and four children.

October 30, 1905. John Green, miner, aged 59 years, married, was killed by falling slate in the coal mine at Salisbury, Sangamon county. It was the first day that deceased had worked in a mine for many years. He leaves a widow and eleven children.

November 10, 1905. George Thomas, miner, aged 45 years, married, was killed by falling slate in an old room in No. 8 mine of the Illinois Collieries Co., Springfield, Sangamon county. He leaves a widow and two children.

November 18, 1905. Bert Hurley, driver, aged 19 years, single, was killed in the Standard Washed Coal Co.'s mine, Bissel, Sangamon county. He fell from the car and was run over.

December 2, 1905. William Walker, cager helper, aged 19 years, employed at the Madison Coal Co.'s mine, Divernon, was caught between loaded cars at the bottom of the shaft, breaking his leg, from the effects of which he died in about two hours.

January 10, 1906. Alexander Tarkeas, miner, aged 43 years, married, was killed by falling slate while drilling a hole in his room in the Illinois Midland Coal Co.'s mine, Pawnee, Sangamon county. He leaves a widow and four children.

January 29, 1906. Thomas McGee, shot firer, was killed in the Illinois Midland Coal Co.'s mine at Sherman, by an explosion of gas and dust, caused by a blown-out shot. The hole was not properly placed. He leaves a widow and one child.

January 29, 1906. Fred W. Casey, shot firer, aged 25 years, married, was killed in the Illinois Midland Coal Co.'s mine at Sherman, by an explosion of gas and dust from a blown-out shot. The shot was not properly placed. Casey and his partner, McGee, were found dead on the entry at the mouth of the room in which the explosion took place. He leaves a widow and one child.

March 7, 1906. W. C. Parsons, shot firer, aged 44 years, married, was killed in the Springfield Coal Mining Co.'s mine No. 2 at Riverton, by flying coal from a shot. He and his partner had separated so it is not known whether he was returning to the shot or not. He leaves a widow and four children.

March 27, 1906. Thomas Archer, miner, aged 49 years, married, was killed in the Wabash Coal Co.'s mine No. 1, at Dawson, Sangamon county. While loading his car a large lump of coal fell over on him, smashing his head. He leaves a widow and five children.

May 15, 1906. James Harrison, shot firer, aged 50 years, married, was killed in the Middletown Coal Co.'s mine at Middletown, Logan county. He had lighted a shot in room No. 11 and then went to room No. 12. While preparing a shot in room No. 12 the shot in room No. 11 exploded, blowing through the rib and hit him. He leaves a widow and three children.

Accompanying this will be found the tables of the fatal and non-fatal accidents, as well as the county tables.

Respectfully submitted,

FRANK J. CAMPBELL,

State Inspector of Mines, Sixth District, Springfield, Illinois.

Fatal Casualties—Sixth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
Aug. 17	Levi Trowe.....	46	Shot firer...	Riverton...	1	1	5		4	Flying coal..
Sept. 9	Adam Emig.....	58	do.....	Springfield....	1	1	9		4	do.....
29	Wm. Krueger.....	45	do.....	do.....	1	1			1	do.....
Oct. 11	Dan Mitchelson..	50	do.....	Athens.....	1	1	4		4	do.....
12	Paul Pause.....	38	do.....	Lincoln.....	1	1	4		5	Premature expl. shot
30	John Green.....	59	Miner.....	Salisbury.....	1	1	11		5	Falling slate..
Nov. 10	George Thomas...	45	do.....	Virden.....	1	1	3		3	do.....
18	Bert Kurlay.....	19	Driver.....	Bissel.....				1		Fell from car..
Dec. 2	William Walker...	18	Cager.....	Divernon.....				1		Pit cars.....
1906										
Jan. 10	Alex Torkeas... ..	43	Miner.....	Pawnee.....	1	1	4		5	Falling clod....
29	Thomas McGee... ..	48	Shot firer...	Sherman.....	1	1	1		2	Gas and dust explos'n
29	Fred W. Casey... ..	25	do.....	Springfield....	1	1	1		3	do.....
Mar. 7	W. C. Parsons... ..	44	do.....	Riverton.....	1	1	4		2	Flying coal.....
27	Thos. Archer... ..	49	Miner.....	Dawson.....	1	1	5		3	Falling coal.....
May 15	James Harrison... ..	50	Shot firer...	Middleton.....	1	1	3		4	Flying coal.....
Total.....					12	12	53	2	45	

Recapitulation of Fatal Casualties—Sixth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Athens.....	1	Cager.....	1	Falling clod.....	1	Clear Lake.....	1
Bissel.....	1	Driver.....	1	Falling coal.....	1	Illinois Collieries Co.....	1
Dawson.....	1	Miner.....	4	Falling slate.....	2	Latham Coal Co.....	1
Divernon.....	1	Shot firer.....	8	Flying coal.....	6	Madison Coal Co.....	1
Lincoln.....	1			Fell from car.....	1	Middleton Coal Co.....	1
Middleton.....	1			Gas and dust explos.	2	Salisbury.....	1
Pawnee.....	1			Pit cars.....	1	Sangamon Coal Co.....	1
Riverton.....	2			Premature shot.....	1	Sherman Mine.....	2
Salisbury.....	1					Springfield Coal M'g. Co..	2
Sherman.....	1					Victor Coal Co.....	1
Springfield.....	3					Wabash Coal Co.....	2
Virden.....	1						
Total.....	15		15		15		15

Non-fatal Casualties—Sixth District—July 1, 1906.

ale.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
906	8 Frank Murray...	20	Lincoln	1				1 Foot crushed, pit car	31
	27 John McGlennon...	45	Springfield	1		4		5 Body bruised, flying coal	20
	7 David E. Perry...	28	do.	1		2		3 Leg broken, falling slate	330
	14 Lee Kruger...	25	do.	1				1 Ankle sprained, falling slate	42
	15 Turvey...	50	Auburn	1				Leg broken, falling slate	180
	22 Wm. Derendorf...	37	Thayer	1		2		4 Back hurt, falling rock	60
	26 James Reid...	36	Lincoln	1				Leg bruised, chain	30
	11 Henderson Barnes...	55	Athens	1		7		4 Face and body burned, powder explosion	30
	14 Hugh Garvey...	17	Lincoln	1				1 Foot injured pit car	70
	20 Wm. Norris...	35	Springfield	1		1		2 Body burned gas explosion	30
	21 James Lynn...	23	Thayer	1				1 Toes injured, pit cars	30
	21 Mike Grenlon...	42	Springfield	1		1		2 Body burned, gas explosion	60
	7 William Smith...	28	do.	1				Shoulder blade broken, cage	42
	16 Wm. Fainguert...	25	Cantrall	1		4		5 Body injured, falling coal	40
	17 Peter Sembretto...	33	Thayer	1				Head cut flying coal	30
	17 Wm. McCall...	17	do.	1				Fingers cut off, pit car	35
	18 Samuel Rose...	25	Springfield	1				Foot bruised, falling coal	50
	23 James Tiernan...	57	do.	1		8		9 Body burned blown out shot	35
	23 Bert Schroyer...	35	do.	1				do.	58
	25 John Soznick...	32	Pawnee	1		1		2 Leg broken, falling coal	90
	25 Ed Carey...	20	Springfield	1				Leg broken, electric motors	94
	4 Henry Brant...	35	Ridgely	1		2		4 Leg brok'n, descending cage	40
	4 Philip Coats...	50	do.	1		2		4 do.	120
	4 Stiney Laskis...	35	do.	1				Leg and body bruised, descending cage	50
	4 Michael Kasper...	28	do.	1		2		3 Leg fractured, descending cage	30
	4 Joseph Kasper...	30	do.	1		1		2 Foot broken, descending cage	90
	5 S. T. Carroll...	22	Auburn	1				1 Arm broken, chute lever	68
	20 Joe Jerrick...	18	Lincoln	1				Ankle and knee fractured, pit car	32
906	2 Peter Esper...	21	Spaulding	1				1 Toes bruised, pit car	30
	3 Frank Rushels...	38	Springfield	1				Body burned premature blast	60
	10 Adam Young...	20	do.	1				2 Head cut, pit car	47
	19 Pete Bellanti...	25	Keys	1		1		2 Body bruised, pit car	30
	24 Fred Larenzetti...	19	Auburn	1				Leg and arm broken, falling from car	30
	25 John Cawley...	59	Springfield	1		8		9 Leg broken, falling slate	*
	11 Oscar Menzel...	20	Lincoln	1				Finger broken, pit car and rib	32
	5 Carl Wilkie...	28	do.	1				Finger crushed, between timbers	30
	9 H. Hollingshead...	58	Athens	1		3		Leg broken, falling slate	*
	20 M. C. O'Laughlin...	31	Petersburg	1		1		2 Body bruised, falling from car	50
	5 John McLaughlin...	20	Auburn	1				Leg and ankle injured, pit car	40
	14 Jas Sure...	25	Divernon	1				Finger bruised, pit car	30
	21 John Cass...	44	Springfield	1		6		7 Leg dislocated, elec. motor	30
	25 G. Andras...	30	Divernon	1				Finger cut off, coal falling down shaft	30
	10 Ed. Hibbalt...	35	Greenview	1				Body burned, powder explo.	60
	23 Alex Lamb...	32	Tice	1				Body burned, blown out shot	40
	31 John Evens...	59	Bissell	1		3		2 Leg broken, falling coal	*
	20 James L. Barger...	35	Springfield	1				Body burned, gas explosion	0
	25 Robert Delaney...	55	Ridgely	1				1 Body burned powder explo.	9
	Totals			23	24	62	80		

*Not recovered July 1, 1906.

al number of men injured	7
recovered July 1, 1906	3
aber recovered July 1, 1906	4
e lost by men recovered, days	2, 525
rage time lost by men recovered, days	57.39

Recapitulation of Non-fatal Casualties—Sixth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Athens.....	2	Cager.....	1	Blown out shot	2	Auburn & Alton Coal Co..	2
Auburn.....	4	Co. man.....	1	Caught between ribs	1	Cantrall Coal Co.....	1
Bissell.....	1	Drivers.....	13	Chain.....	1	Chic., Wilm. & V. Coal Co.	4
Cantrall	1	Laborer.....	1	Chute lever.....	1	Citizens' Mine	1
Divernon.	2	Miners	22	Descending cage....	6	Clear Lake.....	1
Greenview.....	1	Pit boss.....	1	Falling coal.....	4	Divernon	2
Keys.....	1	Shot firers	4	Falling clod.....	1	Greenview	1
Lincoln	6	Timbermen ...	2	Falling rock	1	Illinois Collieries Co	10
Pawnee	1	Trappers.....	2	Falling slate.....	5	Jefferson Mine.....	1
Petersburg.....	1			Fell off car.....	2	Latham	4
Ridgely.....	6			Flying coal	2	Lincoln	1
Spaulding.....	1			Gas explosion.....	3	Mechanicsburg	1
Springfield	15			Motor	2	No. 1	1
Thayer.....	4			Pit cars.....	10	O'Gara Coal Co.....	1
Tice	1			Powder explosion ..	3	Sherman Mine.....	1
				Premature shot.....	1	Spaulding Coal Co.....	1
				Falling from tower.	1	Tice Mine.....	1
				Windy shot.....	1	Tuxhorn Coal Co.....	4
						Victor Coal Co.....	1
						Wabash Coal Co.....	2
						Woodside Coal Co.....	5
Totals	47		47		47		47

Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries.
					Total days.	Average days.	
Head injured	1	1	1	1	43	43.00	2.13
Head broken	1	1	1	1	66	66.00	2.13
Head injured	1	1	1	4	60	60.00	2.13
Head injured	13	1	5	23	572	44.00	27.66
Head and body injured	1	1	1	4	40	40.00	2.13
Head broken	2	1	2	2	82	31.00	4.25
Head cut off	2	1	2	2	65	32.50	4.25
Head injured	1	1	1	1	30	30.00	2.13
Head broken	1	1	1	2	90	90.00	2.13
Head injured	4	1	3	4	193	49.50	8.51
Head injured	1	1	1	1	30	30.00	2.13
Head broken	9	7	2	24	934	154.00	19.15
Head injured	5	2	3	10	153	32.40	10.63
Head and arm broken	1	1	1	1	30	30.00	2.13
Head and body injured	1	1	1	1	50	50.00	2.13
Head broken	1	1	1	1	43	43.00	2.13
Head injured	2	1	1	2	60	30.00	4.25
Totals, average and percentage	47	23	24	60	2,525	57.39	100.00

Brown County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	M. F. Bates.....	Mt. Sterling...	.....	274	.....	.....	.....
2	Noal Sheerer.....	Ripley .....	.....	245	.....	.....	.....
3	Thomas Lewis.....	do.....	.....	240	.....	.....	.....
4	George Adams	Mt. Sterling...	.....	200	.....	.....	.....
5	Louis Hetrick.....	do.....	.....	200	.....	.....	.....
6	Ed Six.....	do.....	.....	190	.....	.....	.....
7	J. Hetrick.....	Ripley .....	.....	180	.....	.....	.....
8	J. Howard.....	Mt. Sterling...	.....	165	.....	.....	.....
Totals—8 mines .....			.....	1,694	.....	.....	.....

Mines reported for 1905—6.
New mines, . 2
Mines in 1906—8.

Cass County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	William Shore.....	Chandlerville.. ..		600		150	

Mines reported for 1905, 2.
Abandoned mines—1.
Mines in 1906, 1.

Brown County—Sixth District—Concluded.

Tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Number.
	874	\$348	.	.	274	.	125	274	.	.	1
	245	490	.	.	245	.	.	245	.	.	1
	240	480	.	.	240	.	.	240	.	.	1
	200	400	.	.	200	.	.	200	.	.	1
	200	400	.	.	200	.	100	200	.	.	1
	190	475	.	.	190	.	250	190	.	.	1
	180	360	.	.	180	.	.	180	.	.	1
	165	330	.	.	165	.	.	165	.	.	1
	1,694	\$3,483	.	.	1,694	.	158	1,694	11	.	11

Cass County—Sixth District—Concluded.

Tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Number.
	750	\$1,613	.	.	750	.	225	750	2	1	4

Logan County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Latham Coal Co	Lincoln	82,628	102,337	11,546	23,460	25,666
2	Citizens' Coal Mining Co., No. 1 .....	..do.....	30,775	40,980	.....	8,012	31,585
3	Lincoln Mining Co., No. 1.....	..do.....	22,000	26,500	.....	9,400	9,200
4	Home Coal Co.....	Mt. Pulaski ...	.....	8,571	1,351	1,532	1,103
Totals			135,403	178,388	12,897	42,404	67,554

Mines reported for 1905, 4.
Mines in 1906, 4.

Logan County—Sixth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Total. Number.
Stock or waste	Total		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners	All other employes.	Total.	
2,248	247,885	3211,080	236,478		9,159	2,248	200	247,885	250	100	350	1
1,505	112,857	101,310	68,819	25,267	11,454	7,317	181	112,857	98	75	173	2
8,000	75,100	81,862	53,818		16,000	5,282	170	75,100	90	50	140	3
1,728	14,285	16,394	4,263		8,702	1,320	...	14,285	29	13	42	4
12,481	450,127	3412,497	363,378	25,267	45,315	16,167	187	450,127	437	238	675	

Menard County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egs.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Greenview Coal Mining Co., No. 1..	Greenview ..	..	83,301	..	3,436	11,671
2	Athens Mining Co., No. 2.....	Athens.	44,975	34,964	..	4,702	14,868
3	Wabash Coal Co., No. 2.....	do.	37,075	36,602	..	4,779	10,299
4	Middletown Coal Co., No. 1.	Middletown...	55,381	..	..	1,530	9,126
5	Tallula Coal Co., No. 1.	Tallula.	23,633	8,730	..	..	3,327
6	Petersburg Coal Mining Co., No. 1..	Petersburg...	13,299	13,140	..	4,578	5,200
7	South Mountain Coal Co., No. 1 ..	do.	12,724	11,041	556	4,470	..
8	People's Coal Mining Co., No. 1 ..	Tice ..	8,951	11,646	..	2,350	5,597
9	Manchester C. Co., Junction mine.	Petersburg ..	15,630	..	..	..	..
Totals			211,754	199,874	556	25,905	61,508
LOCAL MINES.							
1	C. F. Johnson.	Middletown ..	..	5,000	..	..	..
2	Arthur Wainwright	Sweetwater ..	..	2,455	..	405	..
3	Peter Becker.....	Tallula.....	..	2,350	..	55	..
4	Brandt & Waller	Petersburg...	..	1,500	..	500	..
5	John Milligram	do. ....	..	1,100	..	900	..
6	F. C. Tazer.	Tice ..	..	900	..	128	..
7	John W. Milligram	Petersburg ..	..	635	..	..	..
Totals .....			..	13,891	..	1,988	..
Totals—16 mines.....			211,754	213,765	556	27,893	61,508

Mines reported for 1905, 16.

Mines in 1906, 16.

Menard County—Sixth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
8,690	107,131	\$117,897	68,141	....	5,461	3,528	221	107,131	100	37	137	1
2,582	102,091	108,828	96,448	....	3,081	2,582	219	102,091	97	37	134	2
3,600	92,341	87,124	87,148	....	1,538	3,600	155	92,341	95	54	149	3
2,100	69,210	71,670	62,816	....	3,394	2,100	221	69,210	65	34	99	4
730	37,036	38,639	30,808	....	15,500	730	205	37,036	40	13	53	5
....	36,896	36,851	32,888	....	2,610	1,400	220	36,896	33	10	43	6
2,055	30,846	29,967	21,460	2,822	5,468	1,095	181	30,846	41	22	63	7
....	28,553	34,895	27,675	....	254	624	239	28,553	30	12	42	8
1,100	17,290	15,171	16,690	....	500	1,100	180	17,290	25	12	37	9
20,797	520,294	554,042	458,070	2,822	37,742	31,760	209	520,294	516	241	757	
....	5,000	37,500	....	....	5,000	....	....	5,000	6	2	7	1
....	2,990	4,903	....	....	2,725	135	....	2,990	4	2	6	2
....	2,405	4,195	....	....	2,405	....	225	2,405	3	....	3	3
....	2,000	3,125	....	....	2,000	....	180	2,000	3	1	4	4
....	2,000	3,100	....	....	2,000	....	150	2,000	6	2	8	5
....	928	1,529	....	....	928	....	154	928	3	2	5	6
....	686	1,372	....	....	686	....	....	686	1	2	3	7
....	15,878	225,724	....	....	15,744	136	....	15,878	27	11	38	
20,797	536,272	\$571,766	458,070	....	534,863	21,896	....	536,272	543	252	795	

Sangamon County—Sixth District—1906.

			OUTPUT OF MINES				
Number.	NAME OF OPERATOR.	Postoffice address of the mine.					
			Mine run	Lump	Egg.	Nut.	Pea or screenings.
SHIPPING MINES							
1	Chicago, Wil. & Ver. Coal Co. No. 1	Thayer	984	62,961	90,853	.....	99,331
2	Madison Coal Co. No. 6	Duvernoy . . .	268	153,887	9,553	774	73,661
3	Springfield Coal M. Co., No. 2.	Riverton . . .	16,136	143,800	80	9,114	34,618
4	Illinois Midland C. Co., Victor mine	Pawnee	42,057	96,980	11,461	954	69,452
5	Springfield Coal M. Co., No. 5.	Springfield . .	8,025	127,650	.....	4,952	31,273
6	Illinois Collieries Co. No. 8.	do	93,809	41,885	.....	9,398	32,383
7	Capital Coal Co., No. 2.	do	30,000	82,623	8,025	14,178	12,662
8	Illinois Midland Coal Co.	Sherman	125,071	19,964	4,000	2,575	13,418
9	Illinois Collieries Co. No. 2.	Auburn	30,183	80,199	.....	2,954	47,404
10	Springfield Coal M. Co., No. 4.	Springfield . .	77,531	78,912	.....	.....	11,921
11	Woodside Coal Co.	do	113,684	18,925	.....	7,570	11,355
12	Springfield Coal Mining Co. No. 1.	Riverton	6,114	106,833	.....	804	12,878
13	Tuxhorn Coal Co.	Keys	33,110	67,835	.....	.....	31,611
14	Springfield Coal Mining Co. No. 3.	Starnes	65,731	45,648	.....	2,729	8,797
15	Chicago-Springfield Coal Co.	Springfield . .	50,057	43,668	533	13,989	17,021
16	West End Coal Co.	do . . . . .	.....	68,007	.....	12,376	18,973
17	Auburn & Aston Coal Co.	Auburn	44,333	60,148	.....	.....	12,159
18	Citizen's Coal Mining Co., "A"	Springfield . .	33,760	44,219	4,700	.....	30,331
19	Sangamon Coal Mining Co., No. 2	do	24,248	62,694	.....	3,023	24,792
20	Standard Washed Coal Co., No. 2	Bissell	11,444	59,837	3,312	5,003	26,173
21	Williamsville Coal Co.	Selbytown . . .	21,590	53,721	502	1,307	20,073
22	Cantrall Co-operative Coal Co.	Cantrall	52,582	29,902	.....	4,664	10,646
23	O'Gar's Coal Co.	Springfield . .	39,628	32,977	.....	.....	17,431
24	Barclay Coal & Mining Co.	Barclay . . . .	.....	49,127	.....	6,002	31,000
25	Wabash Coal Co. No. 1	Dawson	18,085	37,760	.....	12,606	.....
26	Black Diamond Coal Co.	Auburn	40,328	27,460	750	600	13,606
27	Standard Washed Coal Co., No. 1	Spaulding . . .	6,017	56,574	.....	.....	15,899
28	Springfield Co-operative Coal Co.	Springfield . .	10,360	43,700	.....	.....	21,300
29	Citizen's Coal Mining Co., "B"	do	14,118	31,640	254	2,891	14,969
30	Cora Coal Co.	Andrews	18,350	8,407	245	2,766	3,494
31	Jones & Adams Coal Co.	Springfield . .	2,685	19,032	.....	1,480	9,530
32	Springfield Colliery Co.	do	17,694	7,299	.....	.....	4,960
33	Mechanicsburg Coal Co.	Mechanicsburg	2,719	.....	.....	.....	.....
34	Spring Creek Coal Co.	Springfield . .	12,326	2,504	.....	.....	1,919
35	Illinois Collieries Co.	Chatham	806	7,760	.....	.....	3,479
Totals			1,063,021	1,867,125	123,248	122,219	789,094
LOCAL MINES.							
1	Lincoln Park Coal Co.	Springfield . .	17,290	.....	.....	5,183	.....
2	Robert Crichton	Berlin	3,500	.....	.....	1,500	.....
3	Trutter Coal Co.	Pleasant Pl's . .	1,560	.....	.....	.....	.....
4	Cronister & Davis	Salisbury	840	.....	.....	.....	.....
5	M. U. Whitehurst	do	836	.....	.....	.....	.....
Totals			24,026	.....	.....	6,683	.....
Totals 40 mines			1,087,047	1,867,125	123,248	128,902	799,094

Mines reported for 1905—35.

New mines, 4.

Mines in 1906—40

Sangamon County—Sixth District—Concluded.

IN TONS.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand	EMPLOYEES.			
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine			Average number of miners	All other employés.	Total.	Number
	244,009	\$195,587	234,724		1,870	7,415	135		265	148	413	1
4,507	241,150	225,343	230,746		3,242	7,182	133	4,445	200	134	344	2
27,229	236,157	227,730	225,701			10,456		236,157	200	90	290	3
	210,904	191,374	198,759	1,866	6,821	3,458	177	210,904	189	74	263	4
16,580	188,480	185,671	167,473		14,427	6,500		188,480	170	69	239	5
	177,474	178,490	168,459		1,456	7,559	140	177,474	198	126	324	6
18,728	166,206	165,002	83,956	15,930	47,592	18,728	230	166,206	175	68	243	7
	164,928	155,681	160,713		127	4,098	207	164,928	137	62	199	8
2,219	162,939	161,089	157,077		1,307	4,555	119	162,939	196	91	287	9
	168,364	174,309	134,328		14,418	19,623		168,364	120	54	174	10
	151,544	149,077	102,263	33,847	11,560	3,874	228	151,544	189	86	204	11
17,744	143,873	146,044	129,973	728	4,757	8,415		143,873	135	62	197	12
	132,556	139,600	129,302		1,685	1,689	261	132,556	118	44	162	13
7,404	131,307	126,796	127,010		304	4,093		131,307	118	58	176	14
5,210	130,669	123,380	124,909		549	5,210	209	130,669	105	80	165	15
17,822	118,677	143,364	68,885	11,242	31,270	5,280	197	118,677	120	45	165	16
	116,640	124,578	108,779		4,942	2,920	190	116,640	112	46	158	17
1,877	114,896	116,599	90,583	19,895	2,529	1,879	165	114,896	115	31	146	18
	114,767	109,047	108,910		3,017	2,840	143	114,767	142	46	188	19
1,600	107,969	101,100	101,969		801	1,600		107,969	110	35	145	20
3,540	100,733	103,553	94,370		2,827	3,536	175	100,733	100	30	130	21
1,595	99,398	104,250	78,483	18,280	1,031	1,595	202	99,398	89	48	136	22
3,650	92,698	90,832	87,525		1,511	2,850	142	92,698	100	40	140	23
5,113	91,242	84,816	84,241		1,211	5,790	179	91,242	95	42	137	24
17,411	86,442	82,761	81,249		2,271	2,922	146	86,442	88	49	132	25
1,128	83,964	80,412	81,258		1,493	1,123	183	83,964	78	39	117	26
1,600	80,079	78,135	76,454		2,025	1,600		80,079	105	34	139	27
500	75,800	71,930	51,000		20,108	4,700	160	75,800	130	38	168	28
2,027	65,899	69,919	62,962		906	2,029	109	65,899	119	28	146	29
2,000	33,262	31,256	30,656		606	2,000	163	33,262	40	17	57	30
498	33,225	32,734	30,021		611	2,593	87	33,225	91	65	156	31
538	29,891	28,113	27,731			2,160	138	29,891	70	55	125	32
	2,719	2,719	1,390		500	900	147	2,719	23	9	32	33
	16,749	16,858	16,233		209	307	88	16,749	44	20	64	34
	11,845	14,671	8,529		1,527	1,789	139	11,845	15	13	28	35
160,015	4,124,722	\$4,006,968	3,669,547	101,798	189,280	164,098	169	3,644,009	4,243	1,946	6,189	
	22,473	\$30,774			21,916	557	98	22,473	45	25	70	1
	5,000	11,375			4,520	490	200	5,000	8	4	12	2
	1,560	3,120			1,160	400	90	1,560	6	6	12	3
	840	1,470			840		150	840	5	2	7	4
	836	1,463			593	243	152	836	3	1	4	5
	30,709	\$48,202			29,029	1,690	137	30,709	67	38	105	
160,015	4,165,431	\$4,057,175	3,669,547	101,798	219,319	165,779		3,674,718	4,310	1,994	6,294	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Eng.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Logan	4	135,403	178,388	12,897	42,404	67,554	13,491	450,127	\$0 5644	
Menard	9	211,754	199,874	556	25,905	61,508	20,797	520,394	0 527	
Sangamon	35	1 063,021	1,867,125	123,348	122,219	789,094	160,015	4,124,722	0 52	\$0 45
Schuyler	1		2,083				450	2,533	1 00	
Totals and av	49	1 410,178	2,247,470	136,701	190,538	918,156	194,743	5,097,776	\$0 5254	\$0.45

Local Mines—Recapitulation by

COUNTIES.	Number of local mines	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Eng.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Brown	1		1,694					1,694	\$1 239	
Cash	1		600		150			750	1 00	
Menard	7		13,891		1,968			15,859	0.7463	
Sangamon	5	24,026			6,683			30,709	0.5257	
Schuyler	13	3,000	10,165		434		200	13,799	0 7542	
Totals and av.	34	27,026	26,350		9,255		200	63,831	\$0 6118	
Totals, district all mines.	83	1,437,204	2,273,820	136,701	190,783	918,156	194,943	5,160,607		

The Act of the 44th General Assembly creating ten inspection districts in place of seven, gave to this district an entire new list of counties. The counties of Calhoun, Green, Jersey, Macoupin, Montgomery, Morgan and Scott were transferred from the old fifth district, Christian and Shelby from the old fourth.

The following comparative table shows the tonnage of each county with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL— IN TONS.		Increase	Decrease.
	1905	1906		
Calhoun	2,880	2,000	120	
Christian	857,880	826,800		31,080
Greene	14,650	8,016		6,634
Jersey	3,141			
Macoupin	2,530,840	2,241,087	710,247	
Montgomery	468,198	649,839	181,641	
Morgan	4,702	3,045		1,657
Scott	14,876	19,938	5,062	
Shelby	121,212	126,654	5,442	
Totals	4,018,388	4,878,082	859,694	39,687
Net increase			859,694	

The increase in tonnage this year over 1905 comes mainly from the increase in the output of Macoupin and Montgomery counties.

NEW MINES.

J. McLaughlin & Co. have sunk a shaft at Alsey, Scott county, to the No. 1 seam, which is 30 inches thick at that place. This seam has four feet of fire clay lying directly under the coal, and under the clay is about four feet of hard limestone, then 20 feet of good potter's clay. There is a good roof over the whole. The shaft is 8 by 14 feet, 100 feet to the coal. The tower is 56 feet high. The hoisting engines are a pair of 10 by 20 inches geared about five to one; one 50-inch tubular boiler. The boiler and engine house is a substantial building. A 10-foot Crawford & McCrimmon fan is ready to be put in as soon as the air shaft is down. A 6 by 6 inch steam pump, also a feed pump, is ready for use. The coal mined here is expected to be used to convert clay into pottery, brick, tiling, etc., for which purpose the Alsey Tile & Brick Company are now building a plant near the mine.

The Superior Coal Co. has put in operation their No. 3 mine near Gillespie, Macoupin county. The equipment of this mine excels somewhat those of its Nos. 1 and 2 mines.

The Clover Leaf Coal Mining Co., Coffeen, Montgomery county, has put in operation their No. 2 mine, a shaft 11 by 22 feet, 515 feet deep. The shaft is timbered with 8 by 8 inch frames, 4 feet apart, and lagged with 3 inch timber. The coal seam is 7½ feet thick. The tower is built of wood covered with corrugated iron and is 90 feet high. The cages are self-dumping, made by Wm. Ellison, St. Louis, Mo. The capacity of pit cars is 3 tons. The track gauge is 42 inches. the hoisting engines are 36 by 24 inches, also two 150 H. P. boilers. The company is now driving entries to connect with the No. 1 mine for an escapeway and will soon have it completed.

The Shovel Creek Coal Co. of Chicago, have put in operation a mine at Panama, situated on the Clover Leaf railroad about three miles southwest of

Donnellson, Montgomery county. The shafts are 380 feet deep as finished to the bottom of the coal. The hoisting shaft has two hoisting compartments 6 by 9 feet 6 inches in the clear. The buntons are 8 by 8 inches, with an 8-inch partition and 8 by 8-inch guides. A water ring catches the water from the drift from where it is taken by a pipe into the sump. The air shaft has two compartments, one for air 9 by 9 feet 4 inches in the clear; the other is intended for an escapement which is 5 by 9 feet 4 inches in the clear. There is a solid 8-inch partition between these compartments. In the escapement there is a stairway of oak lumber with handrails; the upper part of the air and escapement shaft is surrounded by concrete re-enforced with corrugated iron bars to keep back the water: a pump lodgement is made behind this concrete dam and the water is pumped up for use in the boilers. The concrete lining makes the shaft dry. Both shafts are heavily timbered from top to bottom.

The ventilating fan is a 7 by 12½-foot Capell, guaranteed to furnish 800,000 cubic feet of air per minute with a 5-inch gauge: the fan casing is of brick and steel plate; the fan is nominally a blowing fan, but it is arranged to quick reverse.

The roof of the tunnels and side drift are of re-enforced concrete to avoid all woodwork: the doors are made of heavy steel plate. There is an explosion door immediately over the airway.

The tippie building is a steel tower erected by the Wisconsin Bridge and Iron Company. It is an end wind with shearer 8 feet in diameter. Self-dumping cages are used, the coal being dumped into a larger hopper. The shaking screens, designed by the general superintendent, George R. Rice, were furnished by the Duncan Foundry & Machine Works. They are 8 feet wide and 40 feet long, loading the coal on four tracks. A box car loader will be installed soon, and a washery is now being erected. The raw coal to be washed will be taken from the shaking screens by belt to the top of the washery.

The hoisting engines are 22 by 36 inches. The drum is 8 feet in diameter, and is furnished with two post brakes and a winding device which automatically shuts off the steam and sets the brakes. This, together with the detaching hooks, makes as near a perfect device to prevent over-winding as is possible. In mining the coal is cut entirely by punching machines, of which the company has 20 Sullivan now in operation; also one Sullivan and one Norwalk air compressor. The compressor room is large enough for another compressor, and is built of brick with iron roof trusses, with gravel roofing. The boiler room, immediately adjacent but separated by a brick wall, is also of brick with iron trusses and gravel roofing. It now contains four internally fired boilers and two horizontal tubular boilers, all giving about 700 H. P. The feed water is heated by a Stillwell heater, all of the exhaust from engines and pumps passing through the heater. A generator in the power room furnishes light for the top works, and in the mine immediately near the bottom. The intention is to mine the coal on the panel system of 1,000 foot blocks. When the mine is fully opened out it is expected to produce 2,500 tons per day.

PROSPECTIVE MINES.

The Peabody Coal Co. is sinking a new mine, two miles north of Nokomis, Montgomery county. The escapement shaft is 10 by 15 feet and 630 feet deep, and is now down to the coal, a seam 8½ feet thick. The main shaft is 10 by 26 feet and 8 inches in the clear, and is now down 500 feet. The company intends to make this a model mine. The head frame and guides will be of steel. Two self-dumping cages 9½ by 12 feet will hoist two cars side by side, each car having a capacity of 3½ tons. Ropes will be fastened to the cages with self-detaching hooks. The hoisting engines are 34 by 6 inches with conical drums 7 to 10 feet. There are six boilers 6 by 18 feet having 70 4-inch flues, and a steel smoke stack. The boiler house will be brick, 74 by 48 feet; the engine room, also brick, 48 by 40 feet, with composition roofing and tile coping. The other buildings, such as office, shop, barns, powder house, etc., will be built on the same order. Four 100-ton

sales will be put in, with ten-foot shaker screen and four bar screens; also four weigh baskets. There will be four dead chutes, one receiving chute and one loading apron. Three steel chutes and one engine, necessary for driving the machinery will handle the coal from the cages to the railroad cars. A drag will be put in to convey coal to the boiler house. A Capellan, having a capacity of 300,000 cubic feet of air per minute, will be the ventilator. Everything about the plant will be equipped with the latest and best machinery and material, all of which will require an expenditure of at least \$175,000. When the mine is fully opened out it expects to produce 1,500 tons of coal per day.

The Burnwell Coal Company is sinking a new mine one mile north of Witt, Montgomery county. The company expect to reach the coal at 600 feet. This mine will also be of large capacity.

The White Hall Railway Company, White Hall, Greene county, expect to operate two small coal and clay mines. One shaft is now down, and they are working on the other. It is expected to use the coal to convert the clay into sewer pipe and stoneware.

The Lovington Coal Mining Company, Lovington, Moultrie county, is making slow progress with its shaft on account of the water and sand with which it has to contend.

IMPROVEMENTS.

The following improvements have been made during the year:

All of the mines in this district, where signals are required, have been equipped with either pneumatic or electric signals. Very few, however, have encased the bell wires.

The Royal Colliery Co., Virden, Macoupin county, has made extensive improvements and are still adding more. It has installed an improved Christy box car loader; built a shed 50 by 100 feet over the scales and railroad tracks, framed and covered with galvanized iron; and has also put in a pump so arranged that it can be used both for a boiler feed and fire extinguisher, pipes are laid around the plant for that purpose. In addition to the Robinson fan already in use, a 20-foot Crawford & McCrimmon fan has been erected, so arranged that either or both can be used at the same time. This will insure good ventilation for a long time to come. The fans are built on and are encased in brick and cement. A fire proof building 48 by 30 feet has been built to be used for carpenter and blacksmith shops; also a granary 40 by 20 feet, with a capacity for 1,000 bushels of corn, 500 bushels of oats, 30 tons of baled hay, with two stalls, harness and feeding space. The company is now erecting a 1,500-ton Stewart washer, and installing two new boilers of 300 H. P. each, especially made for this plant, with smoke stacks and building complete, all painted. In all \$70,000 will be spent on improvements. This will place it among the first class mines of the State.

The O'Gara Coal Co., at its Green Ridge mine, is installing an electric and coal cutting plant, consisting of two 6 by 18 feet Erie boilers, having 70 4-inch flues, one 19 by 18-inch Erie automatic engine, one Morgan-Gardner generator, 150 K. W., 250 volts; one 8-ton traction motor. The engine room has been enlarged, and new boiler house, blacksmith and machine repair shops have been built. Heavy steel rails have been laid in the mine for the motor road. The mine has been wired to run the motor and the Morgan-Gardner chain machine.

The Dering, now the Burnwell Coal Co., Witt, Montgomery county, has installed two new 72-inch boilers, having 70 4-inch flues, 18 feet long, 150 H. P. each. A brick dynamo house has been built, adjoining the engine room on the west, 12 by 24 feet, with one Atlas engine 9 by 14 inches; one 75 Amp., 250 volts, Kester electric dynamo; one fan house frame, concrete foundation; one 20-foot Crawford & McCrimmon fan; one fan engine 12 by 24 inches connected direct to the fan shaft. A blacksmith shop 30 by 50 feet has been built, constructed with clay building blocks; one engine 7 by 10 inches, one root blower, one Ottumwa box car loader, one pair of hoisting engines 24 by 36 inches, and two conical drums 7 to 9 feet.

The Smith Lohr Coal Co., Pana, Christian county, has put up a new head gear; built a very large dynamo room, and installed therein one 175 K. W. machine; changed the track guage below from 26 to 42 inches, and put in a 10-ton motor for haulage.

The Superior Coal Co. has installed at its No. 1 mine near Gillespie, Macoupin county, one Ingersoll-Sergeant 3-stage high pressure air compressor for the purpose of running two 16-ton H. K. Porter Co.'s locomotives, which they have in the mine. The compressor is capable of compressing air up to a pressure of 11,000 pounds per square inch. This air is carried in triple strength high pressure pipes down the shaft and along the haulage roads, where charging stations are located for the purpose of filling tanks on the locomotives. The track is laid with 50-pound rails, split switches and 50-foot radius curvatures. At present these are the only air locomotives in the State.

The Carlinville Coal Co., Carlinville, Macoupin county, has bought one 100-ton Fairbanks R. R. scales, 72 feet long, to replace the one now in use, which was too short.

ABANDONED MINES.

The Consolidated Coal Co.'s mine at Hornsby, Macoupin county, was abandoned last March. All the machinery and equipment were removed. The coal from this mine was considered among the best going into the St. Louis market.

The Edinburg Coal Co.'s mine, Edinburg, Christian county, was stopped in October, 1905, on account of not having an escapement shaft. The company was hoisting coal out of what used to be the escapement shaft, the main shaft having caved in and was completely closed.

BUSINESS CHANGES.

The Prairie Coal Co., of Chicago, are now operating the mine at Nilwood, Macoupin county.

The Dering Coal Co.'s mine No. 25 at Witt, Montgomery county, is changed to the Burnwell Coal Co., and known as mine No. 1.

The Newbent Coal Co.'s north mine at Pana, Christian county, is now operated by the Pana Coal Co., and designated as mine No. 2.

The Springside Coal Co.'s mine at Pana, Christian county, is now owned by the Smith-Lohr Coal Mining Co., Pana.

FATAL ACCIDENTS.

July 17, 1905. Chas. Jenkins, driver, aged 18 years, single, employed in the Illinois Collieries Co.'s mine at Girard, Macoupin county, was killed by being kicked off his seat by his mule, throwing him under the cars.

August 2, 1905. Eli Davidson, miner, aged 63 years, single, and William Corwin, miner, aged 22 years, married, were both killed by an explosion of powder in the Carlinville Coal Co.'s mine, Carlinville, Macoupin county. Davidson was putting powder into a keg from a can when a spark from his lamp fell into the powder, causing an explosion which killed Davidson instantly, and injuring Corwin so badly that he died August 13, following. It is evident that Davidson had his light on his head while he was handling the powder, and doubtless knew that he was violating the mining law in not hanging his light at least five feet away, and in such a position that the air current could not convey the sparks to the powder. I mention this that others may take warning. Corwin leaves a widow and one child.

August 2, 1905. Albert Chaginski, miner, aged 35 years, married, employed in the Green Ridge Coal Co.'s mine, Green Ridge, Macoupin county, was caught under a falling clod at his working face, injuring him, from the effects of which he died August 5 following. He leaves a widow and one child.

August 4, 1905. Noble Harry, timberman, aged 72 years, married, and Engle Bartagnolia, timberman, aged 45 years, married, were both killed :

mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county. They were working on an entry timbering when, without any warning, the roof fell on them, killing them instantly. Harry leaves a widow and two grown children; Bartagnolia leaves a widow and four children.

August 21, 1905. Fritz Hollenbeck, miner, aged 19 years, single employed in mine No. 6 of the Consolidated Coal Co., at Staunton, Macoupin county, was caught under falling coal at his working face, killing him instantly.

August 28, 1905. Erastus Bridges, miner, aged 58 years, married, working in the Green Ridge Coal Co.'s mine at Green Ridge, Macoupin county, was drilling out a missed shot (in violation of the mining law) when, for some cause, the shot exploded, killing him instantly. He leaves a widow and one child.

August 28, 1905. John Micka, miner, aged 45 years, single, employed in the Newbent Coal Co.'s mine at Pana, Christian county, was injured by falling coal at his working face, from the effects of which he died August 31 following.

September 5, 1905. Peter Brooks, mine manager, aged 54 years, married, employed by the Stonington Coal Co., Stonington, Christian county, was riding out of the shaft in a sinking bucket, when about 90 feet up from the bottom he fell out of the bucket to the bottom, killing him almost instantly. He leaves a widow and five children.

September 15, 1905. Ledly Handel, mine manager, aged 36 years, married, employed by the Stonington Coal Co., Stonington, Christian county, was being hoisted out of the shaft, together with three other men, on a temporary cage (the mine being in course of equipment); the engineer lost control of the engine and could not stop it until the cage was drawn to the pulleys, crushing Handel between the cage and the pulley timbers. He died before they could get him out. Two of the other three men had jumped off the cage at the surface landing; the other man was taken up to the pulleys. All three received injuries, and are reported in the non-fatal injuries.

September 28, 1905. Joseph Vose, driver, aged 21 years, single, employed in mine No. 1 of the Illinois Collieries Company, at Virden, Macoupin county. Deceased was bringing out his first trip in the morning, and did not notice an empty car which stood on the inside end of the double parting to which he was pulling. He was caught between this car and his trip, crushing him and causing his death that evening.

October 6, 1905. William Sauer, loader, aged 50 years, married, employed in No. 10 mine of the Consolidated Coal Co., Mt. Olive, Macoupin county, was caught under a falling clod at his working face and fatally injured. He died the next day. He leaves a widow and five children.

October 11, 1905. Floyd Palmer, trimmer, aged 18 years, employed at the Penwell Coal Co.'s mine at Pana, Christian county. Deceased was trying to shut off the steam on the elevator engine which was running away, caused by the belt slipping off, when the fly-wheel burst, a piece of which struck Palmer, knocking him out through the building onto the railroad track and fatally injuring him. He died in about four hours.

October 27, 1905. James Gray, miner, aged 27 years, single, employed in mine No. 1 of the Illinois Collieries Co., at Virden, Macoupin county, was loading a car on an entry where electric wires were strung and hanging within eighteen inches of the side of the car. Deceased, in topping the car on the side where the wires were, is supposed to have touched them, as he fell dead into the entry.

November 8, 1905. Paul Nisovitch, top laborer, aged 43 years, employed at the washery of the No. 15 mine of the Consolidated Coal Co., at Mt. Olive, Macoupin county, was caught between the end of a railroad car and the unloader, fatally injuring him, and causing his death two days afterwards. He was a widower and leaves two children.

December 11, 1905. Frank Strusik, miner, aged 23 years, single, employed in mine No. 2 of the Superior Coal Co., Gillespie, Macoupin county, was caught under a falling clod at his working face, receiving injuries from the effects of which he died February 2, 1906.

January 27, 1906. Penly Johnson, driver, aged 17 years, employed at the Royal Colliery Co.'s mine at Virden, Macoupin county, was caught between

a loaded car and a partly opened door, which he was trying to open to let the mule and car go through, and injured, from the effects of which he died February 1, 1906.

February 11, 1906. Nicolas Bonato, sinker, aged 52 years, married, employed by the Peabody Coal Co., Nokomis, Montgomery county, was instantly killed by falling ice in the shaft. For a few days prior to this accident it had been very cold and much ice had accumulated on the sides of the shaft near the top, but on this day it was thawing very fast and a large body of ice gave way, falling at least fifty feet, resulting as above stated. He leaves a widow and six children.

February 21, 1906. Andrew Skalgia, miner, aged 38 years, single, employed by the Shoal Creek Coal Co., Panama, Montgomery county, was killed. Deceased was at his boarding place, having worked that day, and had volunteered to take lunch to a fellow boarder who had remained in the mine to work an extra shift. Skalgia went with lunch in hand into the engine room and asked the engineer for a cage, stating for what purpose, also telling the engineer that he would ring three bells when he was ready. Just at that time the engineer received a signal from below that men wanted to come up and proceeded to hoist them. In the meantime, Skalgia had walked to the shaft and while the cages were in motion rang three bells to the engineer and walked into the shaft, falling onto the descending cage about 400 feet below. He was killed instantly.

February 23, 1906. Edward E. Taulbee, mine examiner, aged 30 years, married, and William Mason, aged 21 years, single, a machine runner, both employed in the Hillsboro Coal Co.'s mine at Hillsboro, Montgomery county, were caught under falling slate and instantly killed. At the face of the entry where Mason and his partner were working they had mined one cut with the electric machine and had just moved the machine into a place ready to mine the second cut when Taulbee came in. All three were standing, Mason and Taulbee on one side of the machine and Mason's partner on the other. Mason was telling Taulbee about some repairs that had been made on the machine that day, which were not satisfactory, when, without the slightest warning, about twenty tons of coal and slate fell on Mason and Taulbee. Mason's partner happened to be in the corner of the entry and was not hurt. He leaves a widow and one child.

February 27, 1906. Thomas Shehan, miner, aged 17 years, single, was working with his father in the Christian County Coal Co.'s mine at Taylorville, Christian county. Deceased was loading his car from a large pile of loose coal at the face. While shoveling at the bottom of the pile it relieved a large lump that was on the top, and which, rolling down, caught him, killing him almost instantly.

March 29, 1906. Elisha Bean, miner, aged 45 years, married, employed at the Shoal Creek Coal Co.'s mine at Panama, Montgomery county, was instantly killed by coal flying from a shot that he had just lighted. It is supposed that the squib was defective because he had not moved away when the shot went off. He leaves a widow and three children.

June 25, 1906. Oscar Furry, driver, aged 28 years, married, employed in mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county, was crushed under pit cars while bringing out a loaded trip. He leaves a widow and children.

There was another fatal accident in this district during the year, but as the person killed was not an employé at the mines it is not included in the list of fatal accidents. This accident occurred November 3, 1905, at mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county. J. D. Hurd, a hotel man living near Gillespie, went to this mine for some purpose not known. The gates at the mouth of the shaft were necessarily open, and an employé of the mine was clearing away coal that had fallen from the pit cars. Hurd walked by this employé into the shaft, falling to the bottom, a distance of over 300 feet.

The tables following describe the accidents, both fatal and non-fatal. These are followed by the county tables.

Respectfully submitted.

W. W. WILLIAMS.

State Inspector of Mines, Seventh District, Litchfield, Illinois.

Fatal Casualties—Seventh District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town)	Married.	Widow.	Children. Single.	Persons dependent.	Cause of Accident.
1905									
July 17	Chas. Jenkins . . .	18	Driver	Girard			1		Pit cars
Aug. 2	Eli Davidson . . .	63	Miner	Carlinville . . .			1		Powder explosion
	Wm. Corwin . . .	22	do.	do.	1	1	1	2	do.
	Albert Chaginski .	35	do.	Green Ridge . . .	1	1	1	2	Falling clod . . .
	Noble Harry . . .	72	Timberman . .	Mt. Olive . . .	1	1		1	Falling slate . . .
	Engle Bartagnolia .	45	do.	Hornsby . . .	1	1	4	5	do.
	Fritz Hollenbeck .	19	Miner	Staunton . . .			1		Falling coal . . .
	Erastus Bridges . .	58	do.	Girard	1	1	1	2	Explosion; drilling out shot
	John Nicka . . .	45	do.	Pana			1		Falling coal . . .
Sept. 5	Peter Brooks . . .	54	Minem'n'ger . .	Taylorville . . .	1	1	5	6	Falling down shaft
	Ledley Handel . . .	36	do.	do.	1	1	1	2	Overwinding cage
	Joseph Vose . . .	21	Driver	Viriden			1		Pit cars
Oct. 6	Wm. Saner . . .	55	Loader	Mt. Olive . . .	1	1	5	6	Falling clod . . .
	Floyd Palmer . . .	18	Car trimmer . .	Pana			1		Bursting fly wheel
	James Gray . . .	27	Miner	Viriden			1		Electric shock . .
Nov 8	Paul Nisovitch . .	43	Laborer	Near Mt. Olive .	1		2	2	Railroad car . . .
Dec. 11	Frank Strusik . . .	23	Miner	Benld			1		Falling clod . . .
1906									
Jan. 29	Penby Johnson . .	17	Driver	Viriden			1		Pit car
	Nicolaus Bonato . .	52	Sinker	Nokomis . . .	1	1	6	6	Falling ice . . .
Feb. 21	Andrew Skalgia . .	38	Miner	Panama			1		Falling down shaft
	Edward Taulbee . .	30	Mine exam . .	Hillsboro . . .	1	1	1	2	Falling slate . . .
	Wm. Mason . . .	21	Mch. runner . .	do.			1		do.
	Thos. Shehan . . .	17	Miner	Taylorville . . .			1		Falling coal . . .
Mar. 29	Elisha Bean . . .	45	do.	Panama	1	1	3	4	Premature blast .
June 25	Oscar Furry . . .	25	Driver	Near Gillespie .	1	1	2	3	Pit cars
	Totals				13	13	32	43	

Recapitulation of Fatal Casualties—Seventh District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Benld	1	Driver	4	Ascending cage . . .	1	Carlinville Coal Co	2
Carlinville	2	Laborer	1	Drilling out shot . .	1	Christian County Coal Co.	1
Gillespie	1	Loader	1	Electric shock . . .	1	Consolidated Coal Co . .	3
Girard	2	M'ch. runner . .	1	Falling clod	2	Greenridge Coal Co . . .	2
Greenridge	1	Mine exam . . .	1	Falling coal	4	Hillsboro Coal Co . . .	2
Hillsboro	2	Mine mgrs . . .	2	Falling down shaft .	2	Illinois Collieries Co . .	3
Hornsby	1	Miners	11	Falling ice	1	Newbent Coal Co	1
Mt. Olive	3	Sinker	1	Falling slate	4	Peabody Coal Co	1
Nokomis	1	Timbermen . .	2	Fly wheel	1	Penwell Coal Co	1
Pana	2	Car trimmer . .	1	Pit cars	4	Royal Coal Co	1
Panama	2			Powder explosion . .	2	Shoal Creek Coal Co . .	2
Staunton	1			Premature blast . . .	1	Stonington Coal Co . . .	2
Viriden	3			Railroad cars	1	Superior Coal Co	4
Taylorville	3						
Totals	25		25		25		25

Non-fatal Casualties—Seventh District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906									
July	1 James Garrison	39	Virden	1	1			Hand mashed, jack screw	70
	4 Geo. Shanahan	35	Gillespie	1	1	2		2 Leg broken falling slate	30
	19 W. E. Westbrook	35	Taylorville	1	1			Finger mashed, jack screw	30
	22 Oscar Miller	30	Pana	1	1			Finger cut off pit car	30
	23 Fred Ernst	32	Mt. Olive	1	1			2 Legs injured, prop truck	30
Aug.	31 Chas. Haney	34	Witt	1	1			Body bruised, pit cars	30
	1 Phil White	30	Gillespie	1	1			1 Legs injured, falling coal	30
	1 James Morris	30	do.	1	1			do.	30
	4 Harry Brooks	32	Coffeen	1	1			1 Body injured, iron ball	30
	15 Joseph Young	35	Stonington	1	1	1		2 Back injured, fell from scaff- fold	30
	15 N. Oland	31	Witt	1	1			Shoulder broken, pit car	30
	16 Wm Combs	34	Gillespie	1	1			1 Fingers cut off, pit car wheel	30
	16 Anton Bell	30	do.	1	1			1 Arm injured, pit cars	30
	16 S. Jennett	32	do.	1	1			Head cut falling coal	30
	25 Abner Graham	35	Moweaqua	1	1	4		5 Body bruised, falling slate	30
	26 Joe Norkis	30	do.	1	1	1		2 Leg broken, falling slate	30
	26 Albert Long	37	do.	1	1	1		2 Eyes put out, shot blown through cross-cut	30
Sept.	2 A. Toefenbach	40	Carlisle	1	1	1		4 Body bruised descending cage	30
	5 Temp Meadows	35	Litchfield	1	1			Body bruised, falling rock	30
	7 Jno. Gildig	35	Stanton	1	1			Leg broken, falling from roof	30
	9 A. Castello	19	Beald	1	1			Arm injured, falling coal	30
	17 Dan Jenkins	34	Stonington	1	1	1		2 Body bruised, jumping from cage	30
	17 A Fletcher	35	do.	1	1			1 Body bruised, jumping from cage	30
	17 C. Cushing	30	do.	1	1			1 Arm broken, shieve wheel	30
	20 Ed. Rutt	37	Litchfield	1	1			Body bruised, kicked by mule	30
	21 Mike Hadlich	19	Beald	1	1			Hip injured, mule and prop	30
	22 Thos. Hall	30	do.	1	1			Foot crushed, pit car	30
Oct.	22 Wm Schley	31	do.	1	1			Finger cut off, pit car	30
	25 Joe Aberly	35	Mt. Olive	1	1			1 Shoulder dislocated, falling rock	47
	27 Jas O'Brien	30	Pana	1	1	2		2 Foot broken, pit car	100
	28 John Sharp	30	Mt. Olive	1	1			Head and shoulders cut, fal- ling rock	30
	2 Pete Carls	32	Beald	1	1			Foot bruised, track rail	30
	3 Joe Paploaki	31	do.	1	1			Side injured, pit cars	30
Nov.	5 J. R. Meyer	33	Virden	1	1	2		4 Hand bruised falling coal	30
	10 Clarence Fitch	31	Beald	1	1			Hip injured, pit car	30
	13 Jo. Schwischenberg	30	Mt. Olive	1	1			Thigh broken falling slate	30
	21 John Dalut	30	Gillespie	1	1			Face cut, blast explosion	30
	27 Thos. Roberts	31	Virden	1	1			Hip injured pit cars	30
	28 John Bluths	32	Beald	1	1			Arm broken, pit car	30
	29 B. Bertino	30	Gillespie	1	1			Leg broken falling coal	30
	7 Frank Weskocio	30	Beald	1	1	2		4 Leg injured, falling coal	30
	11 Wm. McCroody	30	Virden	1	1	3		4 Arm broken, falling coal	30
	13 Fred Hesse	40	Pana	1	1			Body injured, falling slate	30
Dec.	11 Henry Houser	35	Taylorville	1	1	4		5 Head and face burned, blast explosion	30
	12 Frank Barovik	34	Girard	1	1	2		4 Hand broken falling coal	30
	13 Jo. Richardson	17	Beald	1	1			Body bruised, pit car	30
	14 T Hess	32	Gillespie	1	1			Nose broken, falling on track rail	30
	25 Sam Edwards	19	Beald	1	1			Arm injured, kicked by mule	30
	26 Chas. F. Mayer	34	Girard	1	1	4		5 Back injured, falling slate	30
	29 Jo. Bartucci	30	Taylorville	1	1	2		4 Leg and foot injured, falling coal	37
	29 Wm. Mitchell	30	Beald	1	1			Arm and leg bruised, falling coal	30
1906									
Jan.	8 Roy Edwards	30	Taylorville	1	1			Body bruised, pit car	30
	8 Wm. Walker	37	Near Mine	1	1			1 Back injured, falling coal	30
	9 Arthur Holland	35	Mt. Olive	1	1			1 Ankle fractured, falling scaffold	30
	11 W. L. McDonald	17	Taylorville	1	1			Body bruised, pit cars	30

Non-fatal Casualties—Seventh District—Concluded.

Date	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent	Character of Injury and Cause of Accident.	Time lost days.
1905								
12	11 Isaac Lamb	25	Bunker Hill.	1			1 Leg broken, falling coal..	70
	14 John White.	24	Nilwood	1	1		2 Collarbone broken, pit cars.	65
	18 Sam Delaney	48	Gillespie	1			1 Shoulder bruised, falling coal	60
	18 Lew Davies	48	Litchfield	1	4		5 Head cut, falling slate..	30
	19 A. J. Tucker	40	Near Mine	1			1 Leg broken, falling coal....	44
	20 James Lynch	30	Gillespie	1	1		Foot injured, pit car	22
b.	1 Jno. Schockerty	30	Mt. Olive	1			Foot broken, falling slate..	40
	1 Ed. Pope	28	Taylorville.	1	4		5 Leg injured, mining mach- ine	30
	2 Tavy Sitton	45	do.	1	3		4 Leg injured, mining mach- ine	20
	2 Noel Atkins	35	Pana.	1			1 Body bruised, fal. through chute	32
	7 W. F. Smith	28	Viriden	1			1 Arm broken, falling coal ...	32
	10 James Turner	35	Coffeen	1	4		5 Body bruised, falling from scaffold	35
	12 Richd. Lawrence	23	Mt. Olive.	1			1 Leg broken, falling coal..	38
	13 Peter Wielding	67	do.	1			1 Body bruised, falling slate	30
	13 Thos. Powell.	48	Witt	1	1		2 Body bruised, pit cars	40
	13 Ed. Campbell	21	Viriden	1			Body bruised, pit car	35
	14 Marshal O'Connel	19	Gillespie	1			Arm broken, pit car	31
rch	1 Saml Caster.	21	Benld	1			Body bruised, falling coal ..	38
	2 Ed. Smith	23	Litchfield	1			Body bruised pit cars	30
	3 Low Coget	40	Pana.	1	4		5 Leg broken, falling coal ..	40
	9 Jas. Merriman	63	Viriden	1			Arm broken, falling coal	32
	12 Jno. Zwinick.	45	Pana.	1	4		5 Leg broken, falling slate..	58
	15 Fred Barbrook	20	Benld	1			Body bruised, falling coal..	60
	23 Geo. Alderson	26	Viriden	1			Hand bruised, pit car.....	30
	23 Louis Schafer	37	Benld	1	4		5 Back injured, falling coal	30
	24 Frank Reed	18	Viriden	1			Finger mashed, falling coal.	26
	24 H. Radamacher	18	Witt	1			Head cut, falling coal.....	30
ce	14 Jas. J. Boyle	34	Pana.	1	2		2 Jaw broken, kicked by mule	40
	25 Fred Heddrick	32	do.	1			1 Body bruised, falling coal.	*
	Total			44	40	69	111	

*Not recovered July 1, 1906.

total number of men injured	84
recovered July 1, 1906.....	3
number of men recovered July 1, 1906.	81
time lost by men recovered, days.....	2,450
average time lost by men recovered, days	42 50

Recapitulation of Non-Fatal Casualties—Seventh District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Benld	15	Cagers	7	Ascending cage	1	Bauer & Truesdale	1
Bunker Hill.....	1	Carpenters..	2	Blown out shot	3	Carlinsville Coal Co	1
Carlinsville	1	Car trim-		Car wheel.....	1	Christian County Coal Co.	6
Coffeen	2	mers	2	Descending cage ...	1	Clover Leaf Coal Co.....	2
Gillespie	14	Drivers.....	23	Falling clod	1	Consolidated Coal Co	5
Girard.....	2	Greaser	1	Falling coal.....	24	Dering Coal Co	4
Litchfield	4	Laborer.....	1	Falling rock	3	Illinois Collieries Co	14
Mt. Olive	8	Loader.....	1	Falling slate.....	10	Madison Coal Co.....	3
Moweaqua	3	Machine run-		Fell off roof	1	Moweaqua Coal Co	3
Nilwood.....	1	ners.....	5	Fell off scaffold....	3	Pana Coal Co	3
Pana	8	M a c h i n e		Fell through chute.	1	Penwell Coal Co	3
Staunton	1	helper.....	1	Iron rail	3	Prairie State Coal Co.....	1
Stonington.....	4	Miners	30	Jack screw.....	2	Royal Coal Co	3
Taylorville.....	8	Pick boy....	1	Jumped off cage....	2	Smith, Lohr & Co.....	3
Viriden	8	Shovelers ...	2	Kicked by mule	3	Springfield Coal Co.....	2
Witt.....	4	Sinkers	5	Machine	2	Staunton Coal Co	1
		Timbermen..	2	Mule and prop.....	1	Superior Coal Co	3
		Trapper.....	1	Pit car	21		
				Prop truck.....	1		
Totals	84	.....	12	.....	84	.....	84

Showing the Nature of Injuries, Number of persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days	Average days	
aken	6	3	3	6	111	83.50	7.15
ured	4	3	2	2	139	34.75	4.76
leg injured	1	1	1	1	40	40.00	1.19
ured	4	4	1	13	195	48.75	6.76
ured	22	11	11	22	917	42.00	25.19
ne broken	1	1	1	2	55	55.00	1.19
royed	1	1	1	2	60	60.00	1.19
ut off	1	1	1	1	30	30.00	1.19
injured	2	1	2	1	125	42.67	3.57
ken	2	1	1	3	66	33.00	2.38
ired	3	1	3	1	140	70.00	2.38
aken	1	1	1	4	94	31.33	3.57
ured	4	1	3	4	32	32.00	1.19
ured	2	1	1	5	232	86.00	4.76
l face injured	1	1	1	5	60	30.00	2.38
l shoulder injured	1	1	1	5	42	42.00	1.19
ken	3	1	3	1	30	30.00	1.19
ton	1	1	1	2	111	37.00	3.57
aken	10	7	3	18	40	40.00	1.19
ired	6	5	1	16	500	50.00	11.91
foot injured	1	1	1	4	184	30.67	7.15
aken	1	1	1	1	37	37.00	1.19
broken	1	1	1	1	40	40.00	1.19
injured	2	2	1	2	69	60.00	1.19
					107	53.50	2.38
Is averages and percentages	84	44	40	111	3,450	42.50	100.00

Calhoun County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—							
			Mine run.	Lump.	Seg.	Nut.	Pea or screenings.			
LOCAL MINES.										
1	Thomas Press Brick Co., No. 1.....	Golden Eagle.	2,500		

Mines reported for 1905—1.
Mines in 1906—1.

Christian County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Seg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Springfield Coal M. Co., No. 6.....	Taylorville.....	110,000	76,538	.....	2,100	15,000
2	Christian County Coal Co.....	do.....	76,005	38,000	.....	2,107	15,000
3	Penwell Coal Co.....	Pana.....	25,002	12,119	2,444	12,011	15,000
4	Pana Coal Co., No. 1.....	do.....	9,009	10,111	.....	15,000	15,000
5	Pana Coal Co., No. 2.....	do.....	10,000	12,004	.....	15,000	15,000
6	Assumption Coal Co.....	Assumption.....	.....	19,011	.....	12,000	15,000
7	Smith-Lohr Coal Co.....	Pana.....	38,078	.....	.....	.....	.....
8	Stonington Coal Co.....	Stonington.....	5,000	9,078	.....	.....	2,000
Totals—8 mines.....			276,102	338,711	3,749	73,006	80,000

Mines reported for 1905—7.
New mines—1.
Mines in 1906—8.

Calhoun County—Seventh District—Concluded.

Slack or waste.	TONS.		DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
	Total.	Aggregate value of total produce.	Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total. Number.
	3,000	\$1,000	.....	..	..	3,000	200	3,000	2	2	10 1

Christian County—Seventh District—Concluded.

Slack or waste.	TONS.		DISPOSITION OF OUTPUT				Days of active operation	Tons mined by hand	EMPLOYEES.		
	Total.	Aggregate value of total product.	Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total. Number.
2,662	193,926	\$207,709	137,431	30,900	17,296	8,299	195	193,926	200	22	202 1
5,126	160,790	163,409	147,287	..	7,077	5,426	175	24,009	134	69	303 2
2,574	119,728	123,331	93,735	8,740	10,679	6,574	121	119,728	150	79	229 3
2,688	109,751	96,639	78,653	15,102	7,510	7,486	155	109,751	135	62	197 4
5,006	96,130	83,849	92,040	.....	..	6,090	93	96,130	160	73	233 5
2,964	86,621	181,349	64,965	.....	10,093	10,963	136	86,621	136	61	197 6
	38,078	41,886	32,496	.....	2,422	3,158	150	38,078	60	42	102 7
1,183	21,476	18,964	15,611	..	2,723	3,132	201	..	80	15	45 8
5,156	836,500	\$915,136	661,920	54,742	57,810	53,028	162	688,842	1,006	492	1,497

Greene County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Edward Griffiths.....	Roodhouse.....		2,026			
2	A. Y. Collins.....	Greenfield.....		2,100		480	
3	W. H. Allen.....	Wrights.....		1,100			
4	J. H. Little.....	Roodhouse.....		1,125			
Totals—4 mines.....				7,461		480	

Mines reported for 1905—11.
Abandoned mines—7.
Mines in 1906—4

Greene County—Seventh District—Concluded.

Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					EMPLOYEES.				
Blank or waste	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine	Days of active operation.	Tons mined by hand.	Average number of miners.	All other employees.	Total	Number.
75	3,036 2,640 1,215 1,125	\$5,813 4,800 2,310 1,968			3,036 2,640 1,140 1,125	75	248 250 263	3,036 2,640 1,215 1,125	8 6 6 ..	2 4 2 ..	10 12 10 ..	1 2 3 4
75	8,016	\$14,382			7,941	75	253	8,016	24	8	32	

Macoupin County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES							
			Mine run.	Lump.	Egg.	Nut.	Pes or screenings			
SHIPPING MINES.										
1	Superior Coal Co., No. 1.	Gillespie.		383,884				96,325		
2	Superior Coal Co., No. 2.	do.		387,879				89,971		
3	Consolidated Coal Co., No. 15.	Mt. Olive.	31,210	121,600				21,949		
4	Illinois Collieries Co., No. 1.	Virdeu.	915	121,129			30,401	30,396		
5	Royal Colliery Co., No. 1.	do.	36,500	97,591	20,189			74,424		
6	Illinois Collieries Co., No. 5.	Girard.	2,551	129,873				81,398		
7	Consolidated Coal Co., No. 14.	Staunton	29,000	106,900			60,948			
8	Madison Coal Co., No. 5.	Mt. Olive.	28,993	106,909				45,500		
9	Consolidated Coal Co., No. 8.	do.	21,000	118,900				42,027		
10	Consolidated Coal Co., No. 10.	do.	15,810	114,017				43,300		
11	Consolidated Coal Co., No. 6.	Staunton	76,000	63,200				16,215		
12	Green Ridge Coal Co., No. 1.	Green Ridge	55,803	32,728	2,004		81	26,579		
13	Consolidated Coal Co., No. 7.	Staunton.	11,900	53,100				42,908		
14	Superior Coal Co., No. 3.	Gillespie.	35,386	24,161				6,864		
15	Carlinville Coal Co., No. 1.	Carlinville	30,150	16,100			1,850	4,630		
16	Illinois Collieries Co., No. 4.	Virdeu.	16,710	14,479			26	12,151		
17	Consolidated Coal Co., Gillespie.	Gillespie.	9,609	20,810				2,682		
18	Prairie State Coal Co., No. 1.	Nilwood.	19,236							
19	Consolidated Coal Co., Clyde	Hornaby	4,810	8,406				3,526		
Totals			423,063	1908,519	44,835	102,406	712,960			
LOCAL MINES.										
1	Wm. Nell & Co.	Bunker Hill.		4,818				430		
2	Bauser & Truesdale	do.		1,632				1,541		
3	Davis Bros.	Fayetteville.		2,400			20			
4	Chas. Ly.e.	Brighton		1,364						
5	James Harbough.	Chesterfield.		900			10			
6	Fritz Jordan	Bunker Hill.		720			240			
7	G. B. Loper	Chesterfield.		687						
8	Louis Luking.	Brighton.	480							
9	Culrns & Bott	do.		490						
10	H. S. Duggan	Scottville	240							
Totals			720	13,002		270	1,971			
Totals—29 mines.			423,803	1916,521	44,835	102,676	714,931			

Mines reported for 1905—27.

New mines—2.

Mines in 1906—29.

Macoupin County—Seventh District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
..	480,269	340,994	451,279	..	1,000	27,960	223	..	253	154	407	1
..	457,953	332,172	444,164	..	1,000	12,689	222	..	241	138	379	2
..	244,759	204,709	233,674	..	176	10,900	223	..	175	67	242	3
31,922	234,922	255,752	217,908	..	7,979	9,085	143	..	289	148	435	4
..	231,177	215,186	228,590	..	1,808	2,779	223	231,177	100	62	232	5
..	213,590	208,428	204,655	..	6,181	2,744	180	213,590	145	66	211	6
..	206,848	213,398	186,511	..	37	10,300	184	..	140	111	251	7
1,945	184,407	169,812	155,164	20,749	684	7,830	187	..	135	90	225	8
..	182,927	172,846	171,512	..	4,015	7,400	171	..	155	70	225	9
..	172,827	162,446	163,727	..	..	9,100	162	..	135	67	202	10
..	155,415	147,566	110,170	28,015	9,680	7,200	178	..	170	55	225	11
2,384	119,559	117,168	114,852	..	2,343	2,364	160	119,559	150	69	219	12
..	107,602	98,686	100,967	..	135	6,500	165	..	150	52	202	13
..	66,534	61,436	64,419	..	763	1,352	171	..	66	59	125	14
2,000	54,889	55,985	35,494	1,845	14,150	3,850	144	54,839	55	26	81	15
61	43,457	47,430	20,511	16,675	3,871	2,400	201	43,457	32	35	67	16
..	32,101	38,206	24,500	..	4,100	3,501	134	..	50	31	81	17
..	19,236	19,236	19,000	..	1,236	..	100	19,236	50	19	68	18
..	16,812	18,556	13,993	..	1,109	1,710	119	..	20	21	51	19
39,301	3,225,124	\$2,997,922	2,968,090	67,794	59,607	129,843	173	661,658	2,581	1,348	2,929	
..	5,243	38,592	..	..	4,818	430	250	..	12	4	16	1
..	3,174	4,784	..	..	3,100	74	243	3,174	4	4	8	2
..	2,420	4,220	..	..	2,420	..	200	2,420	6	1	9	3
..	1,364	2,387	..	..	1,364	..	115	1,364	4	1	5	4
..	910	1,355	..	..	910	..	125	910	4	..	4	5
..	960	1,500	..	..	960	..	225	960	5	1	6	6
..	687	1,030	..	..	687	..	100	687	5	1	6	7
..	480	720	..	..	480	..	100	480	4	1	5	8
..	480	840	..	..	480	..	200	480	2	1	3	9
..	240	540	..	..	240	..	120	240	1	..	1	10
..	15,968	\$25,968	..	..	15,459	504	169	10,715	49	14	63	
39,301	3,241,087	\$3,023,891	2,968,090	67,794	75,066	130,147	..	662,573	2,620	1,362	3,982	

Montgomery County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Burnwell Coal Co., No. 1	Witt	117,432	67,486	2,498	20,342	28,194
2	Hillsboro Coal Co., No. 1	Hillsboro	23,247	97,767	197	14,318	36,983
3	Clover Leaf Coal Co., No. 1	Coffeen.....	4,374	69,440	.....	2,241	20,236
4	Illinois Collieries Co., No. 7.....	Litchfield.....	8,644	35,594	8,612	.....	12,378
5	Kortkamp Coal Co., No. 1	Hillsboro.....	.....	33,761	.....	.....	14,469
6	Shoal Creek Coal Co., No. 1.....	Panama.....	5,122	8,419	.....	862	2,932
7	Miller Coal Co., No. 1.....	Raymond.....	400	1,500	.....	800	.....
Totals			159,219	313,967	11,307	38,563	115,192
LOCAL MINES.							
1	Peabody Coal Co	Nokomis	1,651	.....	.....	.....	.....
Totals—8 mines			160,870	313,967	11,307	38,563	115,192

Mines reported for 1905, 6.
New mines, 2.
Mines in 1906, 8.

Montgomery County—Seventh District—Concluded.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand	EMPLOYEES.			
Black or waste	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	Number.
	235,952	\$214,248	228,855		4,395	2,702	220	235,952	225	35	277	1
	172,512	191,207	162,093		7,076	3,843	196		115	66	181	2
	95,291	110,389	91,171	597	2,723	1,800	248	95,291	72	57	129	3
5,388	73,626	94,841	53,438	7,452	9,198	3,638	190	73,626	86	72	158	4
	48,230	51,608	48,230				122		89	19	87	5
742	18,077	15,814	15,833		284	1,980	85		37	50	87	6
800	3,500	6,075	1,500		1,400	600	188	3,500	10	5	15	7
9,940	648,188	\$674,228	601,120	8,049	25,056	13,963	194	648,188	618	321	934	
	1,661	\$2,477			663	988	83		4	2	6	1
9,940	649,839	\$676,705	601,120	8,049	25,719	14,951		649,839	617	323	940	

Morgan County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	T. Wagstaff	Murrayville.....	.....	1,720	.....	.....	.....
2	Jacob Stokes.....	Arenzville .....	.....	1,248	.....	80	.....
Totals—2 mines .....			.....	2,968	.....	80	.....

Mines reported for 1905, 3.
Abandoned mines, 1.
Mines in 1906, 2.

Scott County—7th District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Chas. McElwee	Winchester		10,592			
2	W. H. Bates & Co.....	do.....		4,274		778	
3	Wm. Kund.....	Bluffs		1,582			
4	Geo. Sellers.....	Winchester		872			
5	John McGuire.....	Alsey		800			
6	Ed. Berry	Exeter		400			
7	Ed Rauff	Bluffs		320			
8	Patrick McGuire.....	Winchester		320			
Totals				19,160		778	

Mines reported for 1905, 14.
Abandoned mines, 6.
Mines in 1906, 8.

Morgan County—Seventh District—Concluded.

No.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Total.	Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.			
	1,730	\$3,010			1,730		215	1,730	5	1		6	1
	1,328	2,928			1,328		280	1,328	7	1		8	2
	3,048	\$5,938			3,048		227	3,048	12	2		14	

Scott County—7th District—1906—Concluded.

No.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Total.	Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.			
	10,592	\$18,586			10,592		175	10,592	154	1		155	1
	5,052	8,588			5,052		198	5,052	154	7		161	
	1,582	3,164			1,582		225	1,582	50			72	
	872	1,308			872		200	872	44			44	
	800	1,400			800		240	800	44			44	
	400	800			400		150	400	44			44	
	320	640			320		250	320	44			44	
	320	560			320		200	320	44			44	
	19,938	\$34,906			19,938		202	19,938	37	8		45	

Shelby County—7th District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Moweaqua Coal Mining Co., No. 1...	Moweaqua	16,422	27,940	12,816	15,838	2,354
2	Century Coal Co., No. 1.	Tower Hill....	485	12,974	2,064	4,448	5,853
Totals			16,907	40,914	14,880	20,286	8,207
LOCAL MINES.							
1	Widick Bros	Findley		3,035		32	
2	John Anglin	Shelbyville ...		2,400		80	
3	Brophy Bros .....	..do.....		1,824			
4	M. R. Williams .....	..do.....		824			
5	W. F. Gallagher	Mode		600			
6	Hickey & Kingston	Shelbyville ...		480		28	
7	B. F. Stretch .....	..do.....		380			
8	Wm. Baum .....	..do.....		440		200	
9	W. W. Turney .....	..do.....		200			
Totals				10,183		340	
Totals—11 mines			16,907	51,097	14,880	20,626	8,207

Mines reported for 1905, 12.
New mines, 1.
Abandoned mines, 2.
Mines in 1906, 11.

Shelby County—7th District—1906—Concluded.

Stock or waste Tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES			Number
			Tons loaded on cars for shipment	Tons supplied to locomotives at the mine.	Tons sold to local trade	Tons consumed or wasted at the mine			Average number of miners.	All other employes.	Total.	
1,678	88,048	\$110,891	69,806	13,317	10,376	4,549	181	68,756	126	75	200	1
1,289	28,093	29,198	22,747	...	2,990	2,356	188	28,093	41	20	61	2
1,947	116,141	\$140,089	82,553	13,317	13,366	6,905	186	98,848	168	95	261	
	3,067	38,402			3,067		170	3,067	19	1	19	1
	2,480	6,727			2,480		240	2,480	16	1	17	2
	1,824	5,016			1,824		225	1,824	10	2	12	3
	824	2,266			824		240	824	16	1	17	4
	600	1,350			600		190	600	5		5	5
	508	1,353			508		160	508	4		4	6
	390	1,045			390		275	390	16	2	18	7
	640	1,660			640		200	640	5	2	7	8
	200	500			200		150	200	5		5	9
	10,523	\$28,212			10,523		206	10,523	95	9	104	
1,947	126,664	\$168,301	82,553	13,317	23,889	6,905		107,871	261	104	365	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Christian...	8	276,182	838,711	3,749	73,806	99,097	45,155	826,500	\$0.5411	\$0.45
Macoupin .	18	423,083	1,903,519	44,835	102,406	712,980	89,301	3,225,124	0.5221	0.45
Montgomery	7	159,219	313,967	11,307	28,563	115,192	9,940	637,188	0.5228	0.45
Shelby	2	16,907	40,914	14,890	20,286	8,207	14,947	116,141	0.5424	0.385
Totals and av.	35	875,391	2,587,111	74,771	234,861	935,476	108,343	4,816,953	\$0.5306	\$0.43

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Calhoun . . .	1	3,000						3,000	\$1.00	
Greene	4		7,461		480		75	8,016	1.00	
Macoupin . . .	10	720	13,002		270	1,971		15,963	0.6352	0.45
Montgomery .	1	1,650						1,651		0.45
Morgan	2		2,968		80			3,048	1.109	
Scott	8		19,160		778			19,938	1.1823	
Shelby	9		10,183		340			10,523	1.572	
Totals and av.	35	5,371	52,774		1,948	1,971	75	62,139	\$1.1488	\$0.4572
Totals, district— all mines	71	680,762	2,639,885	74,771	236,809	937,447	108,418	4,876,092		

Whole number of mines reported in 1905, 89.

Number of new mines opened during the year, 6.

Number of mines exhausted or abandoned during the year, 24.

Whole number of mines reported for 1906, 71.

Counties—Seventh District, 1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
162	668,842	157,658	\$0.9726	\$1.4695	\$1.38	\$1.2811	\$0.5401	\$0.2497	1,005	492	1,497
173	681,858	2,543,266	0.9414	1.1043	1.1059	1.0365	0.4603	0.3559	2,581	1,348	3,929
194	409,369	238,819	0.952	1.3414	1.3515	0.8024	0.4494	0.3526	613	321	934
186	96,848	19,293	1.236	1.721	1.5014	0.8611	0.4832	0.3348	166	95	261
175	1,856,917	2,959,036	\$0.959	\$1.1892	\$1.236	\$1.06	\$0.468	\$0.3102	4,365	2,256	6,621

Counties—Seventh District, 1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
200	3,000	.....	\$2.00	.....	.....	.....	.....	.....	8	2	10
253	8,016	.....	.....	\$1.8606	.....	\$1.00	.....	\$0.40	24	8	32
168	10,715	5,248	1.75	1.7118	.....	0.9815	\$1.0591	.....	49	14	63
83	.....	1,651	1.50	.....	.....	.....	.....	.....	4	2	6
237	3,048	.....	.....	1.96	.....	1.50	.....	.....	12	2	14
203	19,938	.....	.....	1.7575	.....	1.70	.....	.....	37	8	45
206	10,523	.....	.....	2.7038	.....	1.9956	.....	.....	95	9	104
196	55,240	6,899	\$1.813	\$1.957	.....	\$1.4713	\$1.0591	\$0.40	229	45	274
.....	1,912,157	2,965,935	.....	.....	.....	.....	.....	.....	4,594	2,301	6,895

EIGHTH INSPECTION DISTRICT, 1906.

FIRST ANNUAL REPORT.

(The Eighth Inspection District was formed in 1905. The first report is for the year ending June 30, 1906.)

Counties—Bond, Crawford, Effingham, Fayette, Jasper, Madison, Monroe, St. Clair.

WALTON RUTLEDGE, *Inspector*, Alton.

HON. DAVID ROSS,
Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—I have the honor to submit the first annual report of the coal mines in the eighth inspection district.

The tabular information contained in this report gives all the required information in regard to the number of mines, miners and other employes, the various grades of coal produced and the number of tons in each grade, with the selling price per ton at the mine; also the disposition of the product, whether shipped by rail, sold to local consumers, or used for steam purposes at the mines; the amount of powder used in blasting the coal, and the amount of dynamite used in sinking and blasting rock, with a statement of all casualties, both fatal and non-fatal.

The following summary is given, showing an abbreviation of the principal items found in the schedules of the mining counties:

Number of mines.....	121
Number of new mines.....	15
Number of abandoned mines.....	7
Number of tons of mine run coal.....	1,751,244
Number of tons of lump coal.....	3,642,921
Number of tons of egg coal.....	202,800
Number of tons of nut coal.....	266,119
Number of tons of screenings or pea coal.....	1,270,539
Number of tons slack coal.....	196,410
Total number of tons (2,000) produced.....	7,330,093
Average value of mine run coal per ton, shipping mines.....	\$0.846
Average value of lump coal per ton, shipping mines.....	\$1.07
Average value of egg coal per ton, shipping mines.....	\$1.11
Average value of nut coal per ton, shipping mines.....	\$0.76
Average value of screenings per ton, shipping mines.....	\$0.392
Average value of slack coal per ton, shipping mines.....	\$0.156
Aggregate value of total product.....	\$6,422,776
Tons loaded on cars for shipment.....	6,714,064
Tons supplied to the locomotives at the mines.....	82,791
Tons sold to local trade.....	257,946
Tons consumed at the mines.....	275,202
Average number of days in operation, shipping mines.....	187
Tons mined by hand.....	3,629,423
Tons mined by machines.....	3,700,670
Number of mines using coal cutting machines.....	30
Number of machines in use.....	321
Number operated by electricity.....	41
Number operated by compressed air.....	289

Number of haulage motors using electricity.....	8
Number of electric motors operating fans.....	2
Number of motors hoisting coal.....	1
Number of miners.....	5,808
Others underground.....	1,718
Boys underground.....	196
Employés on the surface.....	911
Total number of employés.....	8,633
Number of kegs of powder used for blasting coal.....	161,688
Number used for other purposes.....	42
Number of pounds of dynamite used.....	730
Number of fatal accidents.....	82
Number of non-fatal accidents.....	72
Number of tons mined to each fatal accident.....	229,065
Number of tons mined to each non-fatal accident.....	101,807
Ratio of persons killed per 1,000 employés.....	3.7

The increasing of the mine inspection districts of the State from seven to ten, which went into effect July 1, 1905, made this, the eighth, an entire new district. The coal producing counties now in this district are: Bond, Madison and St. Clair, all formerly in the old sixth district.

The following table shows the tonnage of each county in this district for the years 1905 and 1906, with the gain in each.

COUNTY.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905	1906		
Bond	129,815	130,521	706	.....
Madison	2,987,906	3,031,553	43,647	.....
St. Clair	3,398,032	4,168,019	769,987	.....
Total	6,515,753	7,330,093	814,340	.....
Net increase .....	.....	.....	814,340	.....

The counties comprising the district shows a net increase of 814,340 tons, which is due to the increased output of the mines of the Mt. Olive and Staunton Coal Co., and the new Staunton Coal Co. in Madison county, also of the St. Louis and O'Fallon Coal Co.'s Nos. 1 and 2 mines, and the new mine No. 17 of the Consolidated Coal Co., in St. Clair county. This is a large output for these counties, considering that three-fourths of the mines were under suspension for nearly three months during the year. There are two commercial mines in St. Clair county, the "Ruby" mine at Caseyville, and the "Beatty" at Shiloh Valley, which have not been operated during the year. These mines are now in condition so that they may be operated at any time.

NEW MINES.

A new mine has been opened during the year by the Pocahontas Mining Co., a quarter of a mile east of Pocahontas on the Vandalia railroad, in Bond county. The main shaft is down 386 feet. The coal seam will run 7½ to 8 feet in thickness, and coal is now being hoisted. It is the intention to make this a No. 1 mine. It is equipped with double engines, Danville make, 23 by 36 inches. The boilers are 6 by 18 feet; dump cages and air compressor. The coal is to be mined by Ingersoll-Sargeant coal cutting machines, which will be put in later. The coal appears to be of good quality, but rather soft.

The Mulberry Hill Coal Co. has opened up a new shaft about one mile southeast of Freeburg in St. Clair county, on the line of the Illinois Central railroad. The main and air shafts are both sunk. The shafts are 150 feet deep. The coal seam is 7 feet thick. One boiler is 72 inches by 18 feet, with 70 4-inch tubes, and a double first motion engine 18 by 32 inches, with a 5-foot drum, supplied by the Aetna Machinery and Foundry Co., of Springfield, Illinois. The side track to the mine is not yet completed.

Several local mines have been opened out in St. Clair county, viz: The Cooperative Coal Co. at New Athens; Lebanon Coal Co. at Lebanon; Wm. Hartmann, Millstadt; Henry Reinheimer, Freeburg; Miller & Company, at French Village; John Branch, near Belleville; Cyrus Stubblefield, 2 miles south of Marissa; and John Siment & Son, at Centerville.

The Consolidated Coal Co. of St. Louis, Mo., has put in operation during the year a new mine, three miles south of Collinsville, in St. Clair county. The equipment of this mine is first class in every particular. Powerful hoisting engines have been installed with a boiler power of over 1,000 H. P. A large washery has been built capable of washing 1,000 tons of coal in eight hours. This mine has been opened out in a very short time, and in less than ten months the company was hoisting 1,500 tons of coal per day, operating 30 entries and about 100 rooms. The mine will be known as No. 17.

Prospecting has been renewed again at the New Douglas mine in Madison county.

IMPROVEMENTS.

Improvements have been made during the year at the following named mines in St. Clair county:

The Oak Ridge Coal Co. at Marissa has retimbered the shafts of its mines, improved the tower and put in first motion engines and electric haulage.

The Joe Taylor Coal Co. of O'Fallon, at its Ridge Prairie mine, has put in electric haulage, also an electric motor to run the fan at the St. Ellen mine.

The Sullivan Coal Co. cutting machines and compressors have been put in.

The Prairie Coal Co. of Belleville has put in a new 20-foot fan.

The International Coal Co. of O'Fallon, has put in electric haulage at its Carbon mine.

The Glendale Coal Co. of Belleville has put in electric haulage.

The Little Coal & Mining Co. of Lenzburg has put in electric haulage.

The Superior Coal & Mining Co. at Belleville has put in an electric motor to run the fan.

The Fred Murphy mine of Belleville has put in an electric motor to hoist the coal.

The following improvements are noted at coal mines in Madison county:

The New Staunton Coal Co. at Livingston has put in electric haulage.

The Interstate Coal Co. at Worden has put in a new engine and cage at their escapement shaft.

The Lumsden Coal Co. of Collinsville has built a large coal washery near their mines at that place.

The Madison Coal Co. has built a large washery near their mines at Glen Carbon.

CHANGES IN THE NAMES OF COAL COMPANIES.

The Southern Coal and Mining Co. of St. Louis, Mo., has bought the following mines: The Walnut Hill Coal Co.'s mines; the Lenz Coal and Mining Co.'s mines Nos. 1 and 2; the Avery Coal and Mining Co.'s Oakland mine; the Oakhill Coal Co.'s No. 1 mine; the Glendale Coal and Mining Co.'s No. 2 mine; the Mercer Coal and Ice Co.'s mine No. 1; and the Little Oak Coal Co.'s No. 1 mine. These mines from this time forward will be known as the Southern Coal and Mining Co.'s Nos. 1 to 8. All are located in St. Clair county.

The Lake Superior Coal Co. has been changed to the L. Senior mine. The Madison Coal Co. has changed its name to the Madison Coal Corporation. The John Marshall mine at Caseyville is now worked by the Elliott Brothers. The H. L. Henck mine at Fosterburg is now owned by Earnest Rink. The Henry Gold mine at Fosterburg is now operated by Miel Meyers. The Oscar Meyers mine at North Altamont is now operated by George H. Miller. The Carroll Rock mine at Belleville is operated by Brett & Co. The Lebanon Coal and Mining Association has changed its name to the International Coal and Mining Company.

FATAL ACCIDENTS.

The following is a detailed statement of the fatal accidents that have happened in the eighth inspection district during the year ending June 30, 1906.

July 17, 1905. James Harrison, miner, aged 50 years, married, was injured at the St. Louis and O'Fallon Coal Co.'s No. 1 mine, near Belleville, St. Clair county. He was in the act of loading a mine car when a large piece of slate fell and caught him. He died 13 hours after the accident. He leaves a widow and five children.

July 19, 1905. Napolian Goalby, shot firer, aged 41 years, single, was killed at Donk Bros.' Coal and Coke Co.'s No. 3 mine at Troy, Madison county. Deceased had lighted a shot in a room on the left rib. The shot was opposite a cross-cut coming through from the next room. He went into the cross-cut in the next room to fire a shot, when the shot from the first room blew into the cross-cut, throwing the coal, which caught him. He was killed instantly.

July 25, 1905. George Pearson, driver, aged 35 years, married, was killed at the Madison Coal Corporation's No. 4 mine at Glen Carbon, Madison county. He fell in front of a loaded trip, bruising his body so badly that he died later. He leaves a widow and five children.

August 7, 1905. George Strebel, miner, aged 45 years, married, was injured at the St. Louis and O'Fallon Coal Co.'s No. 1 mine at Belleville, St. Clair county, by falling rock at the working face. He died from the injuries received, September 17, 1905. He leaves a widow and five children.

August 8, 1905. John F. Rebeck, blaster and loader, aged 18 years, single, was injured by falling slate in the Madison Coal Corporation's No. 2 mine at Glen Carbon, Madison county, from which injuries he died at his home in Edwardsville, May 10, 1906.

August 26, 1905. Reinold Haase, miner, aged 18 years, single, was killed by a fall of slate at the working face, in the Mount Olive and Staunton Coal Co.'s No. 1 mine at Staunton, Madison county.

October 11, 1905. Daniel Hopp, shot firer, aged 38 years, married, was injured by a fall of clod in the Southern Coal and Mining Co.'s No. 6 mine at Belleville, St. Clair county. His left leg was broken and he was injured internally, from the effects of which he died 3 days afterwards. He had lit the squib of a shot when the clod fell and caught him. He called to his partner for assistance, who came and pulled the squib out of the hole and carried deceased to a place of safety. He leaves a widow and two children.

October 14, 1905. August Mozart, blaster and loader, aged 35 years, married, was killed by falling slate while working at the face of his room in the Lumaghi Coal Co.'s No. 2 mine at Collinsville, Madison county. He leaves a widow and four children.

October 26, 1905. John Tetter, trip rider, aged 25 years, single, was killed in the Donk Bros. Coal and Coke Co.'s No. 3 mine at Troy, Madison county. He was making a flying switch and fell from the rear end of the motor. The empty cars ran over him.

October 27, 1905. John Delaney, miner, aged 48 years, married, was killed by a fall of rock near the working face of his entry in the Donk Bros. Coal and Coke Co.'s No. 1 mine at Donkville, Madison county. He leaves a widow and five children.

October 27, 1905. Henry Sweby, miner, aged 40 years, married, was killed by falling rock near the working face of the entry in the Donk Bros. Coal and Coke Co.'s No. 1 mine at Donkville, Madison county. He leaves a widow and two children.

November 8, 1905. Joseph Bowman, machine helper, aged 56 years, married, was killed by falling coal from the face of the room in the Mt. Olive and Staunton Coal Co.'s No. 1 mine at Staunton, Madison county. He leaves a widow and five children.

December 30, 1905. William Koch, miner, aged 22 years, single, was killed by falling coal at the face of the entry, in the Breeze-Trenton Coal Co.'s mine at Trenton, Clinton county.

January 10, 1906. John Dugan, miner, aged 40 years, single, was killed by falling slate at the face of his room in the Consolidated Coal Co.'s mine at Brookside, Madison county.

THE UNITED STATES OF AMERICA
DO hereby certify that
the within and foregoing is a true and correct copy
of the original as the same appears on the records of the
Department of the Interior.

WITNESSED my hand and the seal of the Department of the Interior
at Washington, D. C., this 1st day of January, 1901.

JOHN W. FOSTER, Secretary of the Interior.

By _____
Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

Assistant Secretary of the Interior.

May 28, 1906. Jule Glaner, miner, aged 36 years, married, was seriously injured at the working face by falling clod, in Fred Murphy's mine at Belleville, St. Clair county, from the effects of which he died. He leaves a widow and three children.

June 23, 1906. Joseph Abrahams, blaster and loader, aged 28 years, married, was killed by falling clod at the working face, in the New Staunton Coal Co.'s mine at Livingston, Madison county. He leaves a widow.

The tables of the fatal and non-fatal accidents, with the regular county tables, follow, giving the detailed information of the coal mining industry of the district.

WALTON RUTLEDGE,

Respectfully submitted,

State Inspector of Mines, Eighth District, Alton, Illinois.

Fatal Casualties—Eighth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
July 17	Jas. Harrison	50	Miner	Belleville	1	1	5		6	Falling slate.
19	Napoleon Goalby	41	Shot firer	Troy				1	1	Blast explosion.
25	George Pearson	35	Driver	Glen Carbon	1	1	5		6	Pit cars.
Aug. 7	*George Strebel	45	Miner	Caseyville	1	1	5		6	Falling rock
8	†John T. Ribick	18	Blaster and l	Edwardsville				1		Falling slate
26	Reinhold Haase	18	Miner	Staunton				1		do.
Oct. 11	Daniel Hopp	38	Shot firer	Belleville	1	1	2		3	Falling clod.
14	August Mozart	35	Blaster and l	Collinsville	1	1	4		5	Falling slate
26	John Tetter	25	Trip rider	Troy				1		Pit cars
27	John Delaney	48	Miner	Collinsville	1	1	5		6	Falling rock
27	Henry Sweby	40	do.	do.	1	1	2		3	do.
Nov. 8	Jos. Bowman	58	Mac. helper	Staunton	1	1	5		6	Falling coal
Dec. 30	Wm. Koch	22	Miner	Trenton				1		do.
1906										
Jan. 10	John Dufan	40	do.	Brookside				1		do.
12	Natal Delopp	20	do.	DeCamp				1		Falling clod.
19	Jos. Meyer	18	do.	Ogles				1		Falling slate.
27	Frank Dennison	22	Shot firer	Marissa	1	1	1		2	Flying coal
Feb. 19	John Tinakott	68	Miner	Marysville	1	1	3		4	Falling coal
Mar 3	Chas. Wall	33	Yard man	Livingston	1	1	4		5	Railroad cars
9	John Wisnoroski	24	Mac. runner	DeCamp	1	1	4		5	Falling clod.
18	Jos. Matachettis	45	Blaster and l	Marysville	1	1			1	Falling coal
14	Julius Fanch	45	do.	Livingston				1		Falling slate
15	Oscar Symmonds	20	Miner	Marissa				1		do.
29	Louis Grossman	49	Operator	Smithton	1	1	7		8	Boiler explosion
26	Peter Bohling	24	Mac. helper	Staunton	1	1	1		2	Falling coal
Apr. 17	Otto Heitman	17	Driver	Belleville				1		Falling slate.
25	Louis Hartman	28	Miner	do.	1	1	1		2	do.
May 3	Jos. Michnick	29	Blaster and l	DeCamp	1	1	3		4	Falling clod
4	John Dortt	49	Miner	Richland				1		Falling slate.
16	Max Euchol	32	Blaster and l	DeCamp				1		Falling clod.
22	Jule Glaner	35	Miner	Belleville	1	1	3		4	do.
June 28	Jos. Abrahams	29	Blaster and l	Livingston	1	1			1	do.
Total					19	19	60	13	79	

* Died Sept. 17, 1905.

† Died May 10, 1906.

‡ Died Feb. 5, 1906.

Recapitulation of Fatal Casualties—Eighth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Belleville	5	Blaster and l	7	Explosion of boiler.	1	Breese-Trenton Coal Co.	1
Brookside	1	Driver	2	Falling clod.	4	Consolidated Coal Co.	1
Caseyville	1	Mac. helper	2	Falling coal	7	DeCamp Coal Co.	4
Collinsville	3	Mac. runner	1	Falling coal & slate.	2	Donk Bros. Coal Co.	6
DeCamp	4	Miner	14	Falling rock	3	Grossman's mine.	1
Edwardsville	1	Operator	1	Falling slate.	10	Johnson Coal Co.	1
Glen Carbon	1	Shot firer	3	Flying coal	1	Jones Bros. Coal Co.	1
Livingston	2	Trip rider	1	Pit cars	2	Lumagi Coal Co.	1
Marissa	2	Yardman	1	Railroad cars	1	Madison Coal Co.	3
Marysville	2			Shot blown through rib.	1	Mt. Olive & Staunton C. Co.	3
Ogles	1				1	Murphy's mine	1
Richland	1					New Staunton Coal Co.	3
Smithton	1					Richland mine	1
Staunton	2					St. Louis & O'Fallon C. Co.	4
Trenton	1					Southern Coal Mining Co.	1
Troy	2						
Totals	33		33		33		33

Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Eighth District—July 1, 1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Percent of injuries.
					Total Days.	Average Days.	
Broken :	1	.....	1	.....	50	50.00	1.39
ken.....	6	4	2	13	332	55.33	8.33
red.....	4	3	1	8	60	30.00	5.55
red.....	16	10	6	27	699	63.55	22.22
e broken.....	1	.....	1	.....	60	60.00	1.39
oyed.....	1	1	.....	5	.....	.....	1.39
arm injured.....	1	.....	1	.....	42	42.00	1.39
ut off.....	1	.....	1	.....	66	66.00	1.39
njured.....	1	1	.....	2	30	30.00	1.39
red.....	7	3	4	12	341	48.71	9.72
red.....	4	3	1	12	93	31.00	5.55
body injured.....	1	1	.....	4	30	30.00	1.39
red.....	3	.....	3	.....	95	31.67	4.17
stured.....	1	1	.....	6	.....	.....	1.39
ken.....	14	7	7	22	859	78.09	19.44
off.....	2	.....	2	.....	.....	.....	2.78
red.....	4	2	2	7	120	40.00	5.56
oot injured.....	1	.....	1	.....	40	40.00	1.39
ken.....	1	.....	1	.....	35	35.00	1.39
injured.....	1	1	.....	3	45	45.00	1.39
ured.....	1	.....	1	.....	32	32.00	1.39
s, averages and percentages..	72	37	35	121	3,029	54.09	100.00

Non-Fatal Casualties—Eighth District—July 1, 1906.

Date.	Name	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906								
Apr	3 John Daniels .	19	do.	1			Body bruised, pit car.	
	19 Chas. Carey .	24	do.	1			Leg broken, flying coal.	
May	5 Wm. Green .	32	do.	1	1		2 Leg broken, falling pipe.	
	7 Jos. Zarnbah .	45	Edwardsville.	1	2		3 Body bruised, falling coal.	
	11 John Buechler .	25	Belleville.	1	1		2 Arm broken, falling slate.	
	Totals..			87	95	84	121	

*Not recovered July 1, 1906.
 Total number of men injured
 Not recovered July 1, 1906.....
 Number recovered July 1, 1906.....
 Time lost by men recovered, days
 Average time lost by men recovered, days.....

Recapitulation of Non-fatal Casualties—Eighth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville	6	Blaster & load.	21	Explosion of boiler.	1	Consolidated Coal Co.	1
Birkiner.	2	Cager.....	4	Cage	1	DeCamp Coal Co.....	1
Caseyville . . .	1	Carpenter.....	1	Caught in machine.	2	Donk Bros	2
Collinsville . .	15	Driver.....	17	Drilling out shot....	1	Eureka.....	1
DeCamp.	1	Machinist.....	1	Falling clod.....	9	Grossman mine.....	9
Donkville	1	Mach. helper..	3	Falling coal.....	14	Home-trade Coal Co.....	14
Edwardsville . .	2	Mach. runner	5	Falling pipe	1	Lumaghi Coal Co.....	1
Glen Carbon... .	14	Miner	13	Falling prop	1	Madison Coal Co.....	1
Livingston . . .	2	Mine examiner	1	Falling rock	1	Mt. Olive & Staunt'n C.Co.	1
Marissa	1	Mine manager.	1	Falling slate.....	13	New Staunton Coal Co . .	13
Maryville . . .	12	Roadman	2	Flying coal	3	Prairie Coal Co	3
Rentchler	1	Shot firer. . .	2	Kicked by mule.....	2	Rentchler Mine.	2
Smithton.....	1	Topman.....	1	Pit cars.....	21	Royal Coal Co	21
Staunton	6			Shaker screen	2	St. Louis & O'Fallon C.Co.	2
Troy.....	5					Southern Coal & Ming. Co	
Worden	2						
Totals	72		72		72		

Table Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Eighth District—July 1, 1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Percent of injuries.
					Total Days.	Average Days.	
Ankles broken	1	.....	1	.....	50	50.00	1.39
Arms broken	6	4	2	13	332	55.33	8.33
Back injured	4	3	1	8	60	30.00	5.55
Body injured	16	10	6	27	699	63.55	22.22
Collarbone broken	1	.....	1	.....	60	60.00	1.39
Eye destroyed	1	1	.....	5	.....	.....	1.39
Face and arm injured	1	.....	1	.....	42	42.00	1.39
Fingers cut off	1	.....	1	.....	66	66.00	1.39
Fingers injured	1	1	.....	2	30	30.00	1.39
Foot injured	7	3	4	12	341	48.71	9.72
Head injured	4	3	1	12	93	31.00	5.55
Head and body injured	1	1	.....	4	30	30.00	1.39
Hips injured	3	.....	3	.....	95	31.67	4.17
Knee fractured	1	1	.....	6	.....	.....	1.39
Legs broken	14	7	7	22	859	78.09	19.44
Legs cut off	2	.....	2	.....	.....	.....	2.78
Legs injured	4	2	2	7	120	40.00	5.56
Leg and foot injured	1	.....	1	.....	40	40.00	1.39
Nose broken	1	.....	1	.....	35	35.00	1.39
Shoulder injured	1	1	.....	3	45	45.00	1.39
Wrist injured	1	.....	1	.....	32	32.00	1.39
Totals, averages and percentages..	72	37	35	121	3,029	54.09	100.00

Lumber Shipped to Foreign Countries—1906

Number	Name of Country	Description of Lumber	Value in U. S. Dollars			
			1906	1905	1904	1903

Summary of Exports

1. Lumber Shipped to Foreign Countries	Value in U. S. Dollars	1906	1905	1904	1903
2. Lumber Shipped to Foreign Countries	Value in U. S. Dollars	1906	1905	1904	1903
Total	Value in U. S. Dollars	1906	1905	1904	1903

Notes: 1. Lumber Shipped to Foreign Countries
2. Lumber Shipped to Foreign Countries
3. Lumber Shipped to Foreign Countries

Bond County—Eighth District—Concluded.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	EMPLOYEES.			
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.		Tons mined by hand.	Average number of miners.	All other employés.	Total.
817	129,227	\$153,761	119,518	.....	3,220	6,489	162	129,227	124	59	188
	1,294	1,682	1,144	.....	150	..	90	1,294	9	12	20
817	120,521	\$155,398	120,662		3,370	6,499	162	120,521	132	71	203

STATISTICS OF LABOR

Madison County—Eighth District—1906.

[illegible]

Madison County—Eighth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.
Number.											
4,823	349,454	\$310,398	343,817		805	4,823	209		185	89	288
	343,184	302,348	332,859	3,000	761	7,804	184	343,184	380	144	504
5,230	334,332	300,557	311,774	5,306	1,942	5,210	206		210	85	306
	284,225	254,229	278,435		1,689	9,107			230	162	392
	249,539	262,737	240,962		4,096	5,071	210	249,539	250	127	377
5,000	218,414	190,022	213,414			5,000	178		216	137	
16,394	204,931	191,308	177,845	3,388		25,188	180	2,506	118	117	235
16,297	203,198	194,301	174,231		3,707	25,360	181	1,937	110	110	220
16,549	185,490	159,995	174,438	46	4,189	6,839	218		125	63	190
	136,697	130,543	134,557			4,140	262	500	95	47	142
7,594	101,953	93,155	87,067	44	7,009	7,834	190	6,497	106	58	164
1,999	89,736	79,187	86,052		1,685	1,969	180		80	39	119
	77,468	76,306	72,758		2,610	2,700	159		60	49	109
	64,434	62,458	41,632	18,462	6,580	2,800	168		50	61	111
3,965	49,536	43,230	39,697		6,580	3,309	154	602	47	23	70
	41,852	48,968	37,840		2,750	1,262	111		78	53	130
	32,161	32,768	36,551		1,600	2,010	185	32,161	40	24	64
2,225	29,710	23,769	27,486			2,225	202		45	19	62
31,435	2,993,185	2,753,059	2,787,402	23,316	45,296	122,291	184	536,918	2,415	1,407	3,823
2,971	13,345	\$16,352			12,845	900	270	13,345	17	9	26
1,971	9,647	14,579			9,476	1,171	268	9,647	10	6	16
300	5,809	9,124			5,540	289	272	5,809	6	3	9
	2,400	3,600			2,400		268	2,400	7	1	8
	2,512	2,512			2,512		245	2,512	5	2	7
	2,104	3,156			2,104		190	2,104	7	2	9
	1,233	2,466			1,233		150	1,233	5	1	6
	1,075	1,613			1,075		175	1,075	3	1	4
	900	1,800			900		150	900	3	1	4
	849	1,272			849		150	849	6	1	7
	765	1,147			765			765	5	1	6
	680	1,020			680		135	680	4	1	5
	528	1,055			528		120	528	3	1	4
	480	680			480		165	480	3	1	4
	431	754			431		175	431	3	1	4
	360	540			360		150	360	2	1	3
	209	418			209		54	209	2	1	3
	162	243			162		65	162	3	1	4
4,011	48,968	952,142			41,700	2,340	160		94	35	129
16,496	3,031,553	3,320,202	2,797,302	23,316	86,314	124,621		680,286	2,509	1,442	3,951

St. Clair County—Eighth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egs.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	St. Louis & O'Fallon Coal Co. No. 1.	East St. Louis.	251,863	79,366			24,084
2	St. Louis & O'Fallon Coal Co. No. 2.	do.	26,900	126,823		22,104	55,519
3	Consolidated Coal Co. No. 17	Collinsville	83,788	106,813			42,535
4	Southern Coal & Mining Co. No. 6	Belleville	57,290	68,729	298	335	26,509
5	Royal Coal & Mining Co.	do.	39,643	97,215			21,714
6	Superior Coal & Mining Co.	do.	6,933	103,002		2,784	34,191
7	Suburban Coal & Mining Co.	do.	45,594	68,508			23,514
8	Prairie Coal Co.	do.	80,000	25,000		5,000	10,000
9	Joe. Taylor Coal Co. Oak Ridge	O'Fallon		77,100		2,394	30,123
10	International Coal & M. Co., Carbon.	do.	5,356	65,436		19,436	18,315
11	Joe. Taylor Coal Co., St. Ellens	do.	12,000	55,722			26,439
12	Southern Coal & Mining Co., No. 1.	Belleville		75,784		787	21,829
13	Joe. Taylor Coal Co., Taylor	O'Fallon	54,310	22,080			10,789
14	Kobb Coal Co.	Mascoutah	18,000	40,000		9,500	10,500
15	Southern Coal & Mining Co., No. 2.	Belleville	11,250	54,785			17,586
16	Fullerton Coal Co., Skellett	do.	14,500	43,000		2,300	21,300
17	Consolidated Coal Co., Green Mount.	Collinsville	23,320	38,885			15,546
18	Southern Coal & Mining Co., No. 8.	Belleville	7,345	26,971	12,615	7,467	20,251
19	Madison Coal Corporation No. 7	Ogles	2,301	48,085	280	569	14,774
20	Hoarders Coal Co., No. 1.	Marissa	10,420	43,508		5,459	8,973
21	Breese-Trenton Coal Co., Trenton.	Trenton		44,639	480	6,981	1,420
22	Summitt Co. St. & Mining Co.	Belleville	21,941	33,364			10,385
23	Belleville & O'Fallon Coal Co.	do.	41,900	22,100			1,200
24	Valley Coal Co.	Mascoutah		39,933		6,655	13,311
25	Johnson Coal Co., O-K.	Marissa	5,000	46,037		4,845	3,435
26	Missouri & Illinois Coal Co.	Bentchler	22,345	28,448			3,404
27	Marissa Coal Co.	Marissa		41,478			12,293
28	Jones Bros. Coal Co., Eureka.	do.	7,202	33,769		3,064	4,854
29	Hibbard Coal Co. No. 1	Belleville		29,991			18,377
30	Southern Coal & Mining Co., No. 7.	do.	6,632	27,858		365	12,733
31	Southern Coal & Mining Co., No. 4.	do.	5,630	29,470			9,544
32	Avery Coal Co., Randall	Freeburg	11,482	23,504	879	1,524	4,543
33	Glendale Coal & Mining Co.	Belleville		30,216	2,223	461	8,380
34	Hoarders Coal Co., No. 2.	Marissa	5,281	21,262	8,150	652	6,523
35	Pittsburg Mining Co.	Belleville	10,469	27,972			5,224
36	Tirrie Coal & Mining Co.	Lenzburg	43,429				
37	L. Senior (Branch)	Belleville	20,000	11,878			5,929
38	Enterprise Coal Co.	Bentchler	12,265	21,165			2,000
39	Highland Coal Co.	Belleville	3,780	22,000		3,000	6,474
40	Johnson Coal Co. (Sunlight)	Freeburg		23,580		2,538	5,731
41	Mo. & Ill. Coal Co. (Welderman)	Wilderman	12,795	11,845	72	325	6,584
42	Kolb Coal Co., No. 1.	New Athens	16,200	13,364			3,745
43	Silver Creek Coal & M. Co. (Darrow)	O'Fallon	630	21,000			10,680
44	Mo. & Ill. Coal Co. (St. Clair)	Freeburg	21,505	5,876			1,619
45	Herman Phil (Lease) (Con. Coal Co.)	Richland	21,422	5,880			1,220
46	White & Nesbit (Hortman)	Belleville	18,000	8,000			2,500
47	Hibbard Coal Co. (Walnut)	do.	4,146	5,968	12,480		3,174
48	Southern Coal & Mining Co., No. 5.	do.	13,776	13,311			631
49	Humboldt Coal Co.	do.		25,000			900
50	Fred Murphy (Branch)	do.	6,000	17,000			2,000
51	Avery Coal Co. (Oak Ridge)	Marissa	5,810	12,637	230	2,030	1,054
52	Southern Coal Co., No. 2.	Belleville	5,922	10,942			4,479
53	International C. & M. Co. (Bennett.)	O'Fallon		15,326	2,221	1,326	1,431
54	T. M. Meek Coal Co.	Marissa	12,700	5,243		220	864
55	Dutch Hill Coal Co.	New Athens	10,20	6,700		1,300	2,000
56	Avery Coal Co. (Advance)	Marissa	1,654	14,272			2,206
57	Johnson Coal Co. (Gartside)	Belleville		11,921		4,898	210
58	Kolb Coal Co. (Fairbanks) No. 2.	Lenzburg	3,482				
Totals ..			1,108,448	3,089,003	41,656	122,770	628,617

St. Clair County—Eight District—Continued.

IN TONS.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Number.
150	355,463	329,499	349,413	9,080	350	2,850	218	355,463	250	79	329 1
100	251,515	199,878	249,265		150	3,100	290		140	55	195 2
	212,626	173,290	204,967		110	7,549	204		140	71	211 3
6,000	159,261	120,328	132,977	19,211	698	5,375	210	159,261	105	53	159 4
	158,572	137,515	158,572				219	52,657	100	39	139 5
	148,909	114,048	146,954			1,955	210		100	37	137 6
	141,241	110,604	139,261		430	1,560	240	141,241	99	23	111 7
	120,000	97,000	114,000	2,000	2,000	2,000	225	120,000	50	40	90 8
5,595	115,221	84,291	106,226		1,400	5,595	200	115,221	91	39	130 9
860	106,883	89,520	106,403		120	360	290	106,883	80	32	112 10
10,030	106,182	68,698	95,352	900		10,030	210	106,182	69	28	97 11
3,477	101,907	78,137	98,395		35	3,477	147		60	35	115 12
3,680	90,840	70,210	86,710		1,450	3,680	197	90,840	71	33	104 13
10,000	88,000	65,000	62,400	18,000	4,000	13,600	175	88,000	80	25	105 13
3,732	87,362	64,988	82,498		1,118	2,750	191		45	17	62 15
	81,000	63,630	78,000		1,000	2,000	240	81,000	96	26	63 16
	77,731	57,531	74,999		870	2,872	221		80	17	47 17
3,825	77,474	59,794	74,519		130	2,825	158		65	24	89 18
8,385	74,485	60,383	69,901	2,134	188	2,262	190	74,485	50	20	70 19
4,216	72,575	59,651	69,501		1,948	1,126	163	72,575	65	17	62 20
12,400	65,840	56,507	58,015		1,325	6,500	196		65	59	124 21
	65,590	55,614	64,490		100	1,000	225	65,590	40	15	55 22
	65,250	58,152	63,990			1,290	210	65,250	60	18	76 23
2,000	62,899	42,895	59,899			3,000	180	62,899	45	12	57 24
1,057	60,575	58,823	59,022			1,553	218	60,575	40	13	53 25
1,926	56,123	52,957	54,072		125	1,926	124	56,123	56	22	76 26
1,200	54,968	45,898	52,868		900	1,200	168	54,968	44	24	68 27
1,893	50,798	38,928	47,117		1,768	1,893	148	50,798	34	16	50 28
1,800	50,168	32,347	48,368			1,800	216		50	18	68 29
2,125	49,613	36,374	47,479		9	2,125	144	49,613	54	18	72 30
2,450	47,084	34,759	42,963		1,771	2,350	144		38	17	55 31
2,546	44,508	38,438	41,063		879	2,546	150	44,508	35	12	47 32
2,210	44,500	33,938	37,443		3,847	3,210	154		38	20	58 33
2,430	44,338	33,740	41,883	25		2,430	156	5,100	32	22	54 34
	43,675	37,042	31,406		7,033	5,234	210	43,675	40	9	49 35
	43,439	36,923	43,439				102	43,436	48	15	63 36
	37,817	33,848	31,677		5,390	750	249	37,817	37	11	39 37
397	36,827	29,751	36,230		100	397	240	36,827	21	9	30 37
1,355	36,610	31,744	20,579	1,063	7,882	7,136	275	36,610	30	9	36 39
842	33,701	30,229	31,164		1,685	822	210	33,701	30	12	42 40
1,670	33,274	27,609	31,529		75	1,670	111	33,274	30	15	45 41
1,000	33,309	28,057	32,309			1,000	111	33,309	35	9	44 42
	32,310	25,803	29,310	512	1,489	1,000	140	32,310	40	27	67 43
823	29,784	26,532	28,911		50	823	100	29,784	26	12	39 44
	28,502	23,486	27,684		219	600	167	28,502	38	5	44 45
	28,500	23,400	20,700		7,200	600	97	28,500	18	10	28 46
2,400	28,168	22,659	12,588	12,480	700	2,400	228	28,168	30	14	44 47
600	28,018	23,100	23,761		2,618	1,688	175	28,018	27	10	37 48
	25,900	25,360	25,400			500	200	25,900	25	12	37 49
	25,000	22,600	24,500			500	230	25,000	15	4	19 50
1,448	24,211	20,759	21,427	200	136	2,448	94	24,211	30	17	47 51
1,205	22,549	16,598	21,844			1,205	157	22,549	25	13	38 52
710	22,104	24,625	18,329		2,275	1,000	200		40	24	64 53
235	20,272	16,580	19,969		68	235	175	20,272	15	6	21 54
	20,100	16,390	13,000		6,000	1,100	225	20,100	13	6	19 55
1,074	19,260	17,200	15,958		2,228	1,074	139	19,260	20	5	28 56
	17,090	14,519	13,820			3,210	130		20	13	33 57
750	9,218	7,273	8,468			750	92	9,218	10	4	14 58
119,097	4,071,079	3,308,322	3,796,130	59,475	71,322	144,152	189	3,721,678	3,089	1,270	4,308

St. Clair County—Eight District—Concluded.

In Tons.	Slack or waste.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
		12,770	\$19,155			12,770		246	12,770	10	5	15	1
		12,000	18,000			12,000		300	12,000	7	3	10	2
		11,073	16,610			11,073		245	11,073	11	3	16	4
		10,035	15,053			10,035		239	10,035	9	3	11	4
		8,000	12,000			8,000		222	8,000	8	1	9	5
		6,000	9,000			6,000		285	6,000	6	2	8	6
		5,200	7,800			5,200		280	5,200	4	1	5	7
		4,796	7,194			4,796		197	4,796	10	1	11	8
		4,320	6,480			4,320		180	4,320	6	1	7	9
		4,128	6,192			4,128		241	4,128	8	1	9	10
		2,894	4,341			2,894		300	2,894	5	1	6	11
		2,000	3,000			2,000		125	2,000	6	1	6	12
		1,675	2,512			1,675		210	1,675	4	1	5	13
		1,580	2,340			1,580		190	1,580	2	1	4	14
		1,334	2,001			1,334		150	1,334	2	1	3	15
		1,200	1,800			1,200		150	1,200	2	1	3	16
		1,100	1,650			1,100		180	1,100	2	1	3	17
		1,000	1,500			1,000		165	1,000	2	1	3	18
		1,000	1,500			1,000		200	1,000	3	1	4	19
		986	1,479			986		180	986	3	1	4	20
		900	1,350			900		80	900	4	1	5	21
		420	630			420		250	420	2	1	4	22
		149	224			149		300	149	1	1	2	23
		1,500	2,250			1,500		90	1,500	5	3	8	24
		1,000	1,500			1,000		80	1,000	6	3	9	25
		96,940	143,860			96,940		304	96,940	128	42	170	
188,997	4,169,019	\$3,447,183	3,796,130	59,475	144,152	2,818,616	2,167	1,312	4,479				

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pes or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bond	2	6,071	91,459		78	32,085	617	130,322	30.52	..
Madison	18	517,547	1,497,282	151,813	130,741	889,317	81,465	2,968,255	9.52	39.46
St. Clair	58	1,369,446	2,089,063	41,058	132,770	638,517	130,687	4,971,629	6.52	9.45
Totals and av	78	1,683,064	3,627,804	302,869	263,589	1,570,080	192,369	7,129,755	30.52	39.45

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pes or screenings.	Slack or waste.		Hand mining.	Machine mining.
Madison	18	23,740	12,997		2,580		4,812	43,329	30.62	..
St. Clair	25	94,440	3,000			600		98,040	0.52	..
Totals and av	43	118,180	15,997		2,580	600	4,812	140,369	30.5702	..
Totals, district— all mines . . .	121	1,751,244	3,642,921	302,869	263,119	1,570,580	193,410	7,330,093	..	..

Counties—Eighth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYEES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total
83	130,531	.....	\$1.24	\$1.522	.....	\$1.18	\$0.2656	\$0.10	132	71	203
124	635,918	2,351,367	0.8972	1.128	\$1.1849	0.9354	0.4791	0.2116	2,415	1,407	3,822
189	2,721,676	1,349,403	0.8198	1.011	1.0163	0.6365	0.3171	0.1170	3,039	1,270	4,309
257	3,439,115	2,700,670	\$0.848	\$1.07	\$1.11	\$0.7801	\$0.3922	\$0.157	5,596	2,748	8,344

Counties—Eighth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYEES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total
189	43,368	.....	\$1.4457	\$1.84	.....	\$1.00	.....	\$0.30	94	35	129
204	96,940	.....	1.50	1.00	.....	.....	\$0.40	.....	128	42	170
189	140,808	.....	\$1.489	\$1.73	.....	\$1.00	\$0.40	\$0.30	222	77	299
...	3,529,423	2,700,670	.....	.....	.....	.....	.....	.....	5,808	2,825	8,633

Whole number of mines reported in 1905, 113.

Number of new mines opened during the year, 15.

Number of mines exhausted or abandoned during the year, 7.

Whole number of mines reported for 1906, 121.

NINTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Clay, Clinton, Edwards, Franklin, Hamilton, Jefferson, Lawrence, Marion, Perry, Randolph, Richland, Wabash, Washington, Wayne, White.

JOHN DUNLOP, *Inspector, Centralia, Illinois.*

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the ninth inspection district for the year ending June 30, 1906.

The coal producing counties in this district are: Clinton, Marion, Washington, Jefferson, Randolph, Perry, Franklin and White. The report contains tabulated statements showing the number of mines in operation, both shipping and local, and other matters pertaining to the operation of the mines.

The following is a summary for all the counties in the district:

Total number of mines.....	62
Number of shipping mines.....	52
Number of local mines.....	10
Number of new mines.....	5
Number of abandoned mines.....	5
Number of miners.....	4,167
Number of others underground.....	1,166
Number of boys underground.....	150
Number of employes above ground.....	897
Total number of employes.....	6,380
Total tons produced, all grades of coal.....	4,132,639
Aggregate value of the total product, all mines.....	\$3,837,341
Tons loaded on cars for shipment.....	3,483,269
Tons supplied to locomotives.....	833,951
Tons sold to local trade.....	164,329
Tons consumed and wasted at the mines.....	151,090
Average number of days of active operation, shipping mines.....	183
Tons mined by hand.....	2,935,837
Tons mined by machines.....	1,197,302
Number of machines in use.....	129
Number of kegs of powder consumed.....	120,584
Number of fatal accidents.....	18
Number of non-fatal accidents.....	21
Number of wives made widows.....	13
Number of children made dependent.....	38
Number of employes to each fatal accident.....	354
Number of tons of coal to each fatal accident.....	229,591
Ratio of fatal accidents per 1,000 persons employed.....	2.8
Number of employes to each non-fatal accident.....	304
Number of tons of coal to each non-fatal accident.....	196,792

The law increasing the number of mine inspection districts of the State from seven to ten, which went into effect July 1, 1905, made this one of the additional or new districts. Of the coal producing counties now composing the ninth district Clinton and Marion were formerly in the sixth district, while the counties of Franklin, Jefferson, Perry, Randolph, Washington and White were transferred from the seventh district.

The following table shows the coal production of the counties forming the ninth district with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Clinton.....	904,826	770,689	.....	134,137
Franklin.....	136,788	387,230	250,442	.....
Jefferson	30,236	20,292	.....	9,944
Marion.....	1,086,350	826,280	.....	260,070
Perry.....	1,268,718	1,453,766	185,048	.....
Randolph	506,547	572,001	65,454	.....
Washington.....	78,315	95,796	17,481	.....
White	1,000	6,585	5,585	.....
Totals	4,012,780	4,132,639	524,010	404,151
Net increase .....	.....	119,859	.....	.....

The counties of Clinton, Jefferson and Marion show a decrease in tonnage from last year, aggregating 404,151 tons, that of Marion county being over a quarter of a million of tons. Notwithstanding this large decrease it is overcome by the increase in tonnage of Franklin, Perry and Randolph counties. Franklin county shows an increase of 250,442 tons, or over 183 per cent.

NEW MINES.

Many new mines are being put down in this district, which will be in operation next year. The location of the new mines and the name of the companies are: The Franklin County Construction Co., located six and one-half miles northwest of Benton; W. P. Rend, Chicago, is president of this company. The Franklin County Colliery Co., located ten miles north of Christopher; the United Colliery Co., and the Zeigler District Colliery Co. are located at Christopher; the Big Muddy and Carterville Coal Co., located three miles southwest of Zeigler, and the Hart-Williams Coal Co., near Benton, all in Franklin county; and the Coöperative Coal & Manufacturing Co. located at Breeze, Clinton county.

FATAL ACCIDENTS.

July 17, 1905. J. E. Cardwell, mine examiner, aged 25 years, married, was killed by falling down the air shaft of the Zeigler Coal Co.'s mine at Zeigler, a distance of 417 feet. He leaves a widow and one child.

August 18, 1905. Adge Howell, laborer, aged 28 years, married, employed underground at the Forester Coal and Coke Co.'s mine. Duquoin, Perry county, was killed by falling slate. He leaves a widow and two children.

August 26, 1905. S. P. Wilson, miner, aged 47 years, married, employed at the New Moon mine, Duquoin, Perry county, was killed by falling slate at the working face. He leaves a widow and six dependent children.

September 13, 1905. John Rice, shot firer, aged 25 years, married, employed as a shot firer at the Gallatin Coal Co.'s mine, Nashville, Washington county, was killed by falling slate. He leaves a widow and three children.

November 1, 1905. Konstantine Andreyewski, miner, aged 55 years, employed at the Gallatin Coal Co.'s mine, Nashville, was killed by falling rock at the face of his room, while loading a car of coal. He leaves a widow and six children. All the children except one can provide for themselves.

November 11, 1905. Charles Swartz, pumpman, aged 40 years, married, employed at the Dering Coal Co.'s mine No. 11, West Frankfort, Franklin county, was engaged in making repairs on a pump near the bottom of the shaft. The carriage had been stopped at the lower landing to send down tools. In putting on a grip bar it missed the car and fell down the shaft, striking Swartz(killing him instantly. He leaves a widow.

November 12, 1905. Joseph McCrary, loader, aged 31 years, married, was employed also as a shot firer at the Avery Coal Co.'s mine, located at Winkle. After lighting a shot, which proved to be badly charged, was about to open a trap door when the shot exploded, the force of which forced the door open, striking him and causing his death. He leaves a widow.

December 6, 1905. Enoch Slortees, machine helper, aged 28 years, single, was fatally injured by falling coal at the face of his room, in the mine operated by the Southern Coal Co., New Baden, Clinton county. He died December 15, 1905.

December 13, 1905. Wesley Batson, miner, aged 43 years, married, was employed at the Pittenger and Davis No. 3 mine, Centralia, Marion county. Deceased was riding on top of a loaded truck and was caught between the load and the roof, receiving injuries from which he died December 21, 1905. He leaves a widow and four children.

January 22, 1906. Antonio Balantini, miner, aged 27 years, married, employed in the Pittenger and Davis No. 3 mine, Centralia, Marion county, was killed by falling slate at the face of his room. He leaves a widow and two children in Italy.

February 17, 1906. E. E. Neal, shot firer, aged 38 years, married, employed in the Benton Coal Co.'s mine No. 1, Benton, Franklin county, was killed by the explosion of two shots that were improperly prepared. Upon investigation it was found that one of the shots was overcharged with powder. He leaves a widow.

February, 22, 1906. John McClelland, machine helper, aged 38 years, single, employed in the Willis Coal Co.'s mine, Willisville, Perry county, was killed by falling coal at the face of a room while shoveling coal after a mining machine.

March 2, 1906. Frank Ernst, miner, aged 44 years, married, employed in the Jupiter Coal Co.'s mine No. 1, Duquoin, Perry county, was killed by falling slate at the face of his room. He leaves a widow and five children.

March 2, 1906. Daniel Griffeth, assistant mine manager, aged 43 years, married, employed at the Zeigler Coal Co.'s mine, Zeigler, Franklin county, was assisting a miner in taking down some top coal which gave way unexpectedly, falling on him, causing his death. He leaves a widow and four children.

March 25, 1906. Michael Debra, trapper, aged 17 years, employed in the Zeigler Coal Co.'s mine, Zeigler, Franklin county. For some unknown reason he got in front of an electric motor, which knocked him down, running over his body, killing him instantly.

March 26, 1906. William Teeples, shot firer, aged 49 years, married, employed in the Pittenger and Davis mine No. 4, Centralia, Marion county went back to examine a shot that he supposed had missed fire, when the shot exploded, the flying coal killing him instantly. He leaves a widow and two children.

March 27, 1906. William H. Jeremiah, shot firer, aged 45 years, employed in the Willis Coal Co.'s mine, Willisville, Perry county, had lit a shot in one room and went into the adjoining room when the shot exploded, blowing through the pillar. A piece of coal from the shot struck him on the forehead, killing him instantly. He leaves a widow and three children.

May 5, 1906. Florini Boucher, sinker, aged 26 years, single, employed in the United Coal Co.'s mine at Christopher, Franklin county, when a loaded bucket had nearly reached the top landing it overturned, the contents falling to the bottom of the shaft. Part of the slate struck deceased on the head, causing instant death.

Respectfully submitted,

JOHN DUNLOP,
State Inspector of Mines. Ninth District, Centralia, Illinois.

Fatal Casualties—Ninth District—July 1, 1906.

Date	Name	Age	Occupation	Residence (Town)	Married	Widows	Children	Single	Persons dependent	Cause of Accident
1905										
July 17	J. E. Cardwell	25	Mine exam	Ziegler	1	1	1		2	Falling down shaft
Aug. 18	Adge Howell	28	Laborer	Duquoin	1	1	2		3	Falling slate
26	S. P. Wilson	47	Miner	do.	1	1	6		7	do.
Sept. 13	John Rice	25	Shot firer	Nashville	1	1	3		4	do.
Nov. 1	K. Andreyewski	55	Miner	do.	1	1	6		2	do.
11	Chas. Swartz	40	Pumpman	W. Frankfort				1		Grip bar
12	Jos. McCrary	31	Loader	Winkle	1	1			1	Blownout shot
Dec. 5	Enoch Stortees	28	Mach. helper	New Baden				1		Falling coal
15	Wesley Batson	43	Miner	Centralia	1	1	4		5	Pit car and roof
1906										
Jan. 22	Anton Balantini	27	do.	do.	1	1	2		3	Falling slate
Feb. 17	E. E. Neal	38	Shot firer	Benton	1	1			1	Blast explosion
22	J. M. McClelland	38	do.	Willisville				1		Falling coal
Mar. 2	Frank Ernest	44	Miner	Duquoin	1	1	5		6	Falling slate
2	Dan Griffith	43	Asst. mine m	Zeigler	1	1	4		5	Falling coal
25	Mike Debre	17	Trapper	do.				1		Motor
26	Wm. Teeples	49	Shot firer	Central City	1	1	2		3	Flying coal
27	W. H. Jeremiah	45	do.	Willisville	1	1	3		4	do.
May 5	Florine Boucher	26	Sinker	Christopher				1		Fall'g slate down shaft
Totals					13	13	38	5	46	

Recapitulation of Fatal Casualties—Ninth District—July 1, 1906.

Residence	No.	Occupation	No.	Nature of Casualty	No.	Colliery	No.
Benton	1	Mine manager	1	Falling coal	3	Avery mine	1
Central City	1	Laborer	1	Falling down shaft	1	Benton Coal Co.	1
Centralia	2	Examiner	1	Falling slate	6	Dering Coal Co.	1
Christopher	1	Loader	1	Flying coal	2	Gallatin Coal & Coke Co.	2
Duquoin	3	Machine help'r	1	Grip bar	1	Jupiter mine	1
Nashville	2	Miners	5	Motor	1	Ney Moon Mining Co.	1
New Baden	1	Pumpman	1	Pit car and roof	1	Paradise	1
West Frankfort	1	Shot firers	5	Blast explosion	1	Pope & Davis	1
Willisville	2	Sinker	1	Blownout shot	1	Southern Mining Co.	1
Winkle	1	Trapper	1	Fall'g slate down sh	1	United Coal Co.	1
Zeigler	3					Willisville Coal Co.	1
						Zeigler Coal Co.	1
Totals	18		18		18		18

Non-Fatal Casualties—Ninth District—July 1, 1906.

State.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905									
J	5 Ed. Norton	31	Centralia	1		3	3	Shoulder bruised, falling timber.	30
	14 Hy. Neidmeir	45	do.	1		4	5	Foot injured, falling coal.	30
	20 David Griner	32	do.	1		3	4	Body burned, gas explosion	196
	30 Jacob Elliot	24	do.	1		3	3	do.	100
E	3 John Solis	53	do.	1		6	7	Back and side injured, falling slate	30
	5 Albert Schilling	23	do.	1		1	2	*Leg broken, pit cars	130
	9 Henry Taylor	30	do.	1		1	1	Jaw broken, falling rock.	92
	16 John Mondy	28	do.	1		3	4	Foot injured, falling rock.	65
pt.	29 A. J. Lehman	28	Zeigler	1		1	1	Foot mashed, mining mach.	30
t.	4 J. W. Clark	36	Centralia	1		3	4	Body and hips injured, pit cars	90
W	14 John Curtis	31	Odin	1		2	3	Leg broken, mining mach.	60
n.	30 Joe Paskarila	19	Zeigler	1		1	1	Leg broken, electric motor.	90
	11 Henry Roth	39	Centralia	1		4	5	Arm injured, fall. from car	30
1906									
n.	24 Wm. Bloom	40	Duquoin	1		4	5	Legs injured, falling slate.	30
b.	17 J. M. Heth	33	Zeigler	1		1	1	Face and head injured, flying coal	30
	17 Edward McIntyre	30	Benton	1		1	1	Body bruised, blast explos'n	90
	20 Gautian Torricella	23	Centralia	1		1	1	Foot mashed, falling coal.	40
n.	10 Wm. Storers	23	Duquoin	1		1	2	Hips injured, pit cars	30
	12 Ed. Auberry	22	Centralia	1		1	1	Hand mashed, elec. motor	52
mi	6 Lucien Nesbit	35	Zeigler	1		1	1	Leg broken, pit car	90
ne	15 June Pavliski	22	do.	1		1	1	Leg broken, electric motor.	100
	Totals			16	5	35	61		

* Amputated.

Total number of men injured	31
Total time lost—days	1,415
Average time lost—days	67.38

Capitulation of Non-Fatal Casualties—Ninth District—July 1, 1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Coalery.	No.
Centralia	1	Car trimmer	1	Falling coal	3	Benton Coal Co	1
Duquoin	12	Comp'y man	3	Falling off car	1	Centralia Mining & Mfg. Co	3
Zeigler	2	Drivers	3	Falling rock	2	Greenwood & Davis	2
	1	Dumper	1	Falling slate	2	Odin Coal Co	1
	5	Electrician	1	Gas explosion	2	Pittenger & Davis M. & M. Co	9
		Mach. runner	1	Machine	2	Zeigler Coal Co	5
		Miners	6	Motor	3		
		Motorman	1	Pit cars	4		
		Shot-firers	3	Blast explosion	1		
		Trip rider	1	Timber	1		
Totals	21		21		21		21

Table Showing the Nature of Injuries, Number of Persons Injured Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Arms injured.....	1	1	.....	5	30	30.00	4.76
Body injured.....	5	5	.....	19	506	101.20	23.81
Face and head injured.....	1	.....	1	.....	30	30.00	4.76
Foot injured.....	4	4	.....	11	155	38.75	19.06
Hand injured.....	1	.....	1	.....	52	52.00	4.76
Hips injured.....	1	1	.....	2	30	30.00	4.76
Jaw broken.....	1	1	.....	1	92	92.00	4.76
Leg broken.....	5	2	3	5	460	92.00	23.81
Leg injured.....	1	1	.....	5	30	30.00	4.76
Shoulder injured.....	1	1	.....	3	30	30.00	4.76
Totals, averages and percentages...	21	16	5	51	1,415	67.38	100.00

Clinton County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Breese-Trenton Mining Co., No. 1...	Breese	17,297	152,067	1,100	900	30,385
2	Trenton Coal Co., South mine.....	Trenton .....	.....	135,209	13,520	15,452	18,565
3	Southern Coal Co., No. 9	New Baden ...	20,445	59,820	3,913	3,018	38,240
4	Consolidated Coal Co., Breese.....	Breese	111,040	.....	.....	.....	.....
5	Breese-Trenton Mining Co., Buxton.	..do.....	5,361	48,289	.....	400	25,539
6	Southern Coal Co., No. 10	Germantown..	16,866	10,743	.....	687	7,740
Totals.....			171,009	406,128	18,533	20,457	120,519

Mines reported for 1905, 7.
 Abandoned mines, 1.
 Mines in 1906, 6.

Franklin County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES. .							
1	Zeigler Coal Co., No. 1.....	Zeigler.....	10,957	48,340	46,042	87,526	45,730
2	Dering Coal Co., No. 11.....	W. Frankfort.	28,366	24,006	7,140	18,219	21,188
3	Benton Coal Co., No. 1.....	Benton.....	4,639	17,131	3,124	4,504	16,759
Totals			43,962	89,477	56,306	110,349	83,736

Mines reported for 1905, 3.
 Mines in 1906, 3.

Clinton County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Stack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employees.	Total.		
13,300	319,949	\$211,526	169,631	40,130	3,796	7,402	300	319,949	160	68	228	1	
12,410	193,166	245,633	175,335	.. ..	7,510	10,410	225	.. ..	150	117	267	2
.. ..	125,426	90,326	115,910	.. ..	1,968	6,160	110	.. ..	205	94	299	3
.. ..	111,040	94,384	103,711	.. ..	1,600	5,729	130	111,040	125	44	169	4
5,433	85,072	76,399	82,924	.. ..	500	1,348	200	85,072	125	32	157	5
.....	36,036	25,977	31,309	.. ..	2,677	2,050	121	36,036	45	20	65	6
21,043	770,699	\$744,144	677,121	40,130	19,239	85,089	164	452,097	910	373	1,183		

Franklin County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Stack or waste.	Total		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employéa.	Total.		
.....	239,654	\$255,307	221,893	614	1,966	14,162	275	.....	155	300	515	1
2,400	102,419	109,395	96,489	.....	2,530	3,400	230	.....	65	22	118	2
.....	48,187	41,971	37,889	.....	5,085	3,303	190	30,772	39	24	63	3
2,400	387,230	\$411,173	366,271	614	9,680	20,765	232	30,772	259	437	696		

Jefferson County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE-				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINE.							
1	Jefferson County Coal Co	Mt. Vernon ...	14,481	1,858	.....	967	1,796

Mines reported for 1905, 3.
Abandoned mines, 2.
Mines in 1906, 1.

Marion County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES							
1	Pittenger & Davis M. & M. Co. No. 3-4	Centralia.....	74, 178	140, 204	31, 408	33, 725	84, 003
2	Centralia Min. & Mfg. Co. No. 2.....	..do.....	2, 207	60, 315	43, 664	30, 864	41, 014
3	Odin Coal Co. No. 1.....	Odin.....	158	83, 057	.....	23, 387	2, 513
4	Sandoval Coal & Min. Co. No. 2.....	Sandoval.....	.....	43, 473	.....	.....	21, 362
5	Sandoval Coal & Min. Co. No. 1.....	..do.....	40, 197	.....	.....	.....	.....
6	Kinmundy Coal Co.....	Kinmundy.....	.....	4, 346	.....	.....	2, 140
Totals—6 mines.....			116, 740	331, 395	75, 072	87, 976	151, 032

Mines reported for 1905, 7.
Abandoned mines, 1.
Mines in 1906, 6.

Jefferson County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation	Tons mined by hand	EMPLOYEES.		
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners	All other employes.	Total Number.
1,191	20,292	\$22,753	2,088	9,969	7,046	1,191	207	20,292	22	14	36 1

Marion County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT				Days of active operation	Tons mined by hand.	EMPLOYEES.		
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total Number.
23,947	400,465	\$320,562	261,819	93,907	20,826	23,913	221	400,465	342	195	537 1
14,875	192,639	157,445	101,412	47,252	30,127	13,848	200	192,639	190	130	320 2
12,543	121,658	118,157	113,178	..	2,784	5,698	177	121,658	140	63	203 3
.....	64,835	57,632	62,840	..	..	2,195	150	44,873	74	24	98 4
.....	40,197	34,971	37,912	..	1,030	1,225	150	40,197	141	58	200 5
.....	6,486	8,676	5,569	..	648	270	100	6,486	24	7	31 6
64,065	826,260	\$697,443	582,557	141,159	55,415	47,149	166	826,260	911	478	1,389

Perry County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egs.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Willis Coal & Mining Co. No. 1.	Willisville	272,755				
2	Majestic Coal & Coke Co., Majestic	Duquoin	9,886	98,680	15,858	5,436	52,897
3	Paradise Coal & Coke Co., Forester	do.	82,038	31,018			62,038
4	Missouri & Illinois Coal Co. No. 4.	Willisville	141,596				
5	White Walnut Coal Co., Wh. Walnut	Pinckneyville	1,574	41,946	45,271		41,794
6	Duquoin Operating Co., Davis	Duquoin	11,500	30,744	13,000		49,245
7	Hippard Coal Co., Vulcan	do.	18,921	24,322			8,897
8	Duquoin Fuel Co., Mifflin	do.	2,600	28,229	1,000		12,900
9	Greenwood-Davis Coal Co.	do.	1,900	18,000	2,000	13,200	1,000
10	Bailey Bros. Coal Co. No. 2.	Sunfield	3,749	24,287	2,250	3,115	3,030
11	Little Muddy Coal Co.	Tamaroa	4,835	22,588			10,975
12	Duquoin Coal Co.	Duquoin	27,179				
13	Diamond Fuel Co.	Sunfield		16,570			5,220
14	Imperial Coal & Min. Co., Imperial	Duquoin	2,947	9,626	4,236	2,180	2,559
15	Brilliant Coal & Coke Co., Horn	do.	2,700	4,610	3,350	3,050	4,580
16	Perry County Coal Co., Perry	do.	1,345	10,720		900	2,285
17	Jupiter Coal & Min. Co. No. 1	do.	2,452	8,967	703	900	2,323
18	Avery Coal & Min. Co., Bald Eagle	Winkle	1,819	6,641	381	1,568	2,185
19	New Moon Mining Co., New Moon	Duquoin		4,584		2,750	2,135
20	Strait Coal Co., Strait	Pinckneyville	4,188	4,701			941
21	Wm. Barnard, Barnard	Cutler	15,000	11,540			265
22	Jupiter Coal Co. No. 6.	Duquoin	1,862				
Totals			587,563	397,713	87,539	35,778	301,047
LOCAL MINES.							
1	J. A. Hummel & C. Davis	St. John		2,800			
2	John G. Sneider	Pinckneyville		1,520			600
3	Luke & Jenkel	do.		2,000			
4	Wilson Bros	Cutler		1,500			
5	John Anderson	Pinckneyville		800			375
Totals				9,520			1,225
Totals—27 mines			587,563	407,233	87,539	35,778	302,272

Mines reported for 1905, 26

New mines, 1.

Mines in 1906, 27.

Perry County—Ninth District—Concluded.

IN TONS.		Aggregate value of total output.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Black or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
	272,755	\$319,128	207,126	57,719	4,200	2,700	268		159	78	237	1
	211,746	200,078	207,646		100	4,000	250	211,746	143	45	188	2
	155,092	121,522	147,992	5,800	300	1,200	225	155,092	125	90	205	3
	141,596	127,426	140,174		600	822	227	128,790	110	53	143	4
2,700	123,195	120,483	85,534	43,775	1,386	2,700	180	123,195	153	58	210	5
	104,489	73,143	99,639		2,250	2,600	220	104,489	100	42	142	6
1,440	51,040	37,596	49,355		245	1,440	169	51,040	75	37	102	7
	49,162	38,746	47,812		150	1,200	150	49,162	55	25	80	8
3,000	44,090	49,080	39,890		1,200	2,920	179	44,090	80	24	84	9
5,120	41,547	38,395	39,741		1,000	908	197	41,547	50	18	68	10
	37,802	32,811	34,994		1,872	936	143	37,802	55	20	75	11
	27,179	24,461	25,979			1,200	140	27,179	45	15	60	12
	24,730	19,711	23,090		750	900	241	24,730	31	10	41	13
1,241	22,770	23,545	22,696		74		100	22,770	50	31	81	14
	18,380	18,164	17,520		60	700	78	18,380	35	23	57	15
720	16,920	14,521	16,200		220	500	153	16,920	31	14	45	16
325	15,080	16,031	12,637		1,579	864	106	15,080	42	16	58	17
1,269	13,682	10,433	12,132		162	1,368	90	13,682	15	11	26	18
1,000	11,485	11,580	7,841		2,644	1,000	203	11,485	30	6	36	19
500	10,330	9,949	8,812		1,118	400	196	10,330	12	4	16	20
1,109	29,428	25,434	21,478	4,727	1,123	1,100	250	29,428	35	10	45	21
	1,882	2,363	400			1,482	26	1,882	10	14	24	22
2,596	1,423,170	\$1,225,894	1,268,478	111,821	31,033	31,839	191	1,147,609	1,420	606	2,026	
	2,600	\$4,500			2,600		180	2,600	5	1	6	1
	2,496	1,989			2,496			2,496	5	1	6	2
	2,600	1,500			2,000			2,000	4	1	5	3
	1,500	2,250			1,500		170	1,500	3	1	4	4
	1,170	1,092			1,170		175	1,170	3	1	4	5
	10,756	\$11,241			10,756		155	10,756	20	5	25	
23,530	1,443,925	\$1,347,235	1,268,478	111,821	31,789	31,839		1,158,365	1,440	611	2,051	

Randolph County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Moffat Coal Co., No. 1.....	Sparta.....	106,687	7,500	.....	.....	2,500
2	Willis Coal & Mining Co., No. 6.....	Percy.....	104,297	.....	.....	.....	.....
3	Crystal Coal Co. No. 1.....	Tilden.....	5,625	14,420	19,540	19,525	7,040
4	Tilden Coal Co., No. 1.....	..do.....	8,188	29,448	.....	2,535	2,679
5	Illinois Fuel Co., No. 4.....	Sparta.....	44,798	.....	.....	.....	.....
6	Coulterville Coal Co., Consol.....	Coulterville.....	.....	31,808	.....	.....	7,953
7	Coulterville Mining Co.....	..do.....	21,315	10,568	.....	.....	3,522
8	Eden Coal Co., Eden.....	Sparta.....	31,243	.....	.....	.....	.....
9	Jones Bros., C & M Co., Eureka No.1	Marissa.....	8,800	14,417	.....	493	2,351
10	Illinois Fuel Co., No. 3.....	Sparta.....	20,075	.....	.....	.....	.....
11	Boyd's Coal & Coke Co., No. 1 .....	..do.....	36,500	2,500	.....	400	800
Totals			387,528	110,661	19,640	22,953	26,874
LOCAL MINES.							
1	Boyle Coal Co.....	Sparta.....	3,400	3,000	.....	.....	.....
2	J. W. Bixby.....	Blair.....	2,000	.....	.....	.....	.....
3	C. P. Fellers.....	..do.....	1,820	.....	.....	.....	.....
4	H. M. Welshaw.....	..do.....	120	.....	.....	.....	.....
Totals			6,840	3,000	.....	.....	.....
Totals—15 mines.....			394,368	113,661	19,640	22,953	26,874

Mines reported for 1905, 12.
New mines, 3.
Mines in 1906, 15.

Randolph County—Ninth District—Concluded.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand	EMPLOYEES.			Number.
Slack or waste	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
	116,687	\$39,559	115,685		552	450	208	116,687	110	34	144	1
	104,297	104,297	100,809		1,828	1,560	198	54,524	94	46	140	2
1,000	67,250	58,570	66,000		250	1,000	150	67,250	50	39	89	3
2,415	45,265	38,527	43,320		695	1,250	110	45,265	58	21	79	4
	44,798	40,318	43,268			1,530	168		39	18	56	5
	39,760	36,181	39,142			618	125	39,760	45	10	55	6
	35,405	29,629	32,030		2,505	870	225	35,405	45	20	65	8
	31,248	23,745	30,583		360	400	137	31,248	45	16	61	8
330	28,421	19,375	26,081			330	123	28,421	23	8	31	9
	20,075	18,067	19,355			720	215	20,075	21	9	30	10
600	40,800	38,555	36,700		3,500	600	180	40,800	110	25	85	11
4,345	572,001	\$506,622	553,083		9,590	9,328	165	477,430	589	248	835	
	6,400	\$9,750			6,400		300	6,400	4	2	7	1
	2,000	2,000			2,000		150	2,000	5	2	7	2
	1,320	1,320			1,320		150	1,320	5	2	7	3
	120	120			120		50	120	1	1	2	4
	9,840	\$12,190			9,840		162	9,840	15	8	23	
4,345	581,841	\$518,812	553,083		19,430	9,328		487,270	604	254	858	

Washington County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Gallatin Coal & Coke Co (Nashville)	Nashville.....	40, 142	12, 503	317	635	2, 232
2	Adam Kuhn.....	DuBois.....	.....	28, 000	.....	.....	7, 000
Totals			40, 142	40, 503	317	635	9, 232
LOCAL MINES.							
1	Okawville Coal Co.....	Okawville.....	.....	1, 680	.....	.....	320
Totals—3 mines.....			40, 142	42, 183	317	635	9, 552

Mines reported for 1905, 2.
New mines, 1.
Mines in 1906, 3.

White County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Norris City Coal Co.....	Norris City...	6,585	.....	.....	.....	.....

Mines reported for 1905, 1.
Mines in 1906, 1.

Washington County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYERS.		
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total number.
2,937	58,796	854,102	10,853	30,258	14,042	3,542	289	58,796	50	12	62
.....	35,000	30,800	32,000	.	1,500	1,500	80	35,000	80	12	92
2,937	93,796	884,902	42,853	30,258	15,542	5,042	289	93,796	130	24	154
	2,000	32,648	.....	.....	1,902	196	165	2,000	5	2	7
2,937	95,796	917,550	42,853	30,258	17,345	5,240	.....	95,796	135	41	176

White County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYERS.		
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total number.
	6,585	33,231	720		5,265	490	163	6,585	6	5	11

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Clinton	6	171,009	406,128	18,533	30,457	120,519	34,043	770,689	\$0 5191	\$0.489
Franklin . . .	3	43,962	99,477	56,306	110,349	83,736	3,400	387,230	0 45	0.39
Jefferson	1	14,481	1,858	.	967	1,795	1,191	30,232	0 ■	
Marion ..	6	116,740	331,395	75,072	87,976	151,032	64,065	826,280	0.4817	0.41
Perry.....	22	687,563	397,713	87,539	35,778	301,047	23,530	1,433,170	0 4906	0.4136
Randolph ...	11	387,528	110,661	19,640	22,963	26,874	4,345	572,001	0 52	0.41
Washington, ..	2	40,142	40,603	317	635	9,262	2,987	93,706	0.5051	...
White	1	6,585	.....	.....	.....	.....	.....	6,585	0 53	...
Totals and av.	52	1,368,010	1,377,735	257,407	279,115	694,265	133,511	4,110,043	\$0.4962	\$0.419

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Perry	5	..	9,520	..	..	1,236	...	10,756	\$0 6512	..
Randolph	4	6,840	3,000	..	..	...	...	9,840	0 5602	...
Washington.	1	..	1,680	..	..	320	...	2,000	0 52	..
Totals and av	10	6,840	14,200	..	..	1,556	.....	22,596	\$0 5956	..
Totals, district— all mines..	62	1,374,850	1,391,935	257,407	279,115	695,821	133,511	4,132,639		

Whole number of mines reported in 1906, 62.

Number of new mines opened during the year, 5.

Number of mines exhausted or abandoned during the year, 5.

Whole number of mines reported for 1906, 62.

ities—Ninth District—1906.

HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
452,097	318,592	\$0.8547	\$1.2395	\$1.3412	\$0.7983	\$0.4326	\$0.12	810	372	1,182
30,772	356,458	1.079	1.3117	1.3361	1.1256	0.5473	.....	250	437	686
20,292	.....	1.25	1.50	.....	1.00	0.50	.....	22	14	36
684,160	142,120	0.9036	1.0832	1.00	0.90	0.4586	0.148	911	478	1,389
1,147,609	285,561	1.0231	1.123	1.1034	1.0737	0.5087	.....	1,420	606	2,026
477,430	94,571	0.894	1.0287	1.10	0.7258	0.2001	.....	589	246	835
93,796	.....	0.80	1.2007	0.90	0.80	0.2634	.....	110	28	138
6,585	.....	1.25	.....	.....	.....	.....	.....	6	5	11
2,912,741	1,197,302	\$0.954	\$1.1552	\$1.1408	\$0.9837	\$0.4792	\$0.144	4,127	2,197	6,324

ities—Ninth District—1906.

HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
10,756	\$1.1346	.....	.....	\$0.25	.....	20	5	25
9,600	1.1203	\$1.50	.....	.....	.....	.....	15	8	23
2,000	1.50	.....	.....	0.40	.....	5	3	8
22,356	\$1.1203	\$1.2703	.....	.....	\$0.2040	.....	40	16	56
2,935,337	1,197,302	.....	.....	.....	.....	.....	.....	4,107	2,213	6,320

TENTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties Gallatin, Jackson, Johnson, Saline, Williamson.

THOMAS LITTLE, *Inspector, Carbondale.*

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—In compliance with the statutes of the State, defining the duties of the State inspectors of coal mines, I herewith submit the first annual report of the coal mines in the tenth inspection district for the year ending June 30, 1906.

A tabular statement is herewith given of the statistics in each county, showing the number of mines operated during the year, both shipping and local; the new and abandoned mines; the depth of coal below the surface with the geological number and thickness of the various coal seams; the number of miners and other employes working in the mines and on the surface; the total tonnage of all grades of coal; the average value of coal at the mines and the aggregate value of the total product in the district, with the casualties in and around the mines, both fatal and non-fatal.

The following summary is given as a recapitulation of the principal facts found in the schedules of the various counties:

Number of counties in which coal is produced	5
Total number of mines	97
Number of shipping mines	69
Number of local mines	27
Number of new mines, shipping	16
Number of new mines, local	8
Total tonnage of all mines	5,339,902
Total tonnage of shipping mines	5,331,244
Total tonnage of local mines	86,658
Tons loaded on cars for shipment	4,812,429
Tons supplied to locomotives	72,227
Tons sold to local trade	239,416
Tons consumed and wasted at the mines	205,894
Aggregate value of total product	\$5,059,123
Number of miners in all mines	4,908
Number of other employes underground	1,538
Number of boys underground	100
Number of employes above ground	1,025
Total number of employes	7,570
Average number of days of active operation, shipping mines	189
Number of machines in use	145
Total tons cut by machines	870,619
Total tons produced by hand in all mines	4,469,283
Number of fatal accidents	14
Number of non-fatal accidents	36
Number of wives made widows	10
Number of children left fatherless	26
Number of tons produced for each fatal accident	384,902
Number of tons produced for each non-fatal accident	149,719
Number of persons employed to each fatal accident	548
Number of persons employed to each non-fatal accident	213
Ratio of fatal accidents per 1,000 persons employed	1.9

The coal producing counties now forming the tenth district under the law dividing the State into ten mine inspection districts, instead of seven, which went into effect July 1, 1905, were all formerly in the seventh district.

The following is a comparative table of the tons of coal produced in each of the counties now forming this district for the years 1905 and 1906, showing the increase and decrease in each for the two years:

County.	TOTAL TONS, ALL GRADES OF COAL, IN TONS.		Increase.	Decrease.
	1905	1906		
Gallatin	76,629	99,860	23,231	.....
Jackson	802,101	759,962	.....	42,139
Johnson	2,400	912	.....	1,488
Saline	427,262	601,979	174,717	.....
Williamson	3,815,751	3,927,189	111,438	.....
Totals	5,124,143	5,389,902	309,386	43,627
Net increase .....	.....	265,759		

NEW MINES.

The Lake Creek Coal Co., Williamson county, has sunk a shaft two miles north of Johnson City. This shaft is 319 feet deep and is 10 by 14 feet in the clear. The seam is 10 feet thick and good coal. This is No. 7 seam of the geological section. The company has installed a pair of first motion engines 20 by 30 inches, made at Danville, Illinois. Two Eagle boilers, 6 by 18 feet, with 70 4-inch flues. The tower is built of steel and is 30 feet high; self dumping cages are used, and a shaker screen, which was put up by the Illinois Construction Co. The boiler room is 27 by 41 feet, and the engine house is 26 by 36 feet, both built of pressed brick. The blacksmith shop is 30 by 60 feet, fitted with a drill press and lathe, so that the company is prepared to do its own repair work. The sinking of the air shaft has been started. It will be 9 by 13 feet. Coal was reached at this shaft August 9, 1905, but no branch railroad has yet been built to the mine. It is the intention to connect the branch with the Iron Mountain and the Chicago and Eastern Illinois railroads.

The Hamlock Coal Co. has sunk a new shaft one-half mile south of Herrin, in Williamson county. This shaft is 8½ by 15 feet and is 137 feet deep, to a 9½ foot vein of coal, which was reached October 5, 1905. No coal has yet been shipped from this mine. The company is waiting for a railroad switch to be built to connect with the Iron Mountain and the Chicago & Eastern Illinois railroads. A pair of first motion engines have been installed by the Aetna Foundry & Machine Works, at Springfield, Illinois. The engines are 18 by 36 inches, with a 5-foot drum and a 1¼ inch cable. Two boilers, 5 by 16 feet, with 44 4-inch flues. The company has started to sink the air shaft, which is 8½ by 13½ feet. The head frame is 60 feet with a shaker screen. The company is ready to ship coal just as soon as connection is made with the railroad. This shaft is built for a 2,000 ton capacity per day.

The West Virginia Coal Co. has sunk a new shaft two and one-half miles northeast of Marion, Williamson county. The depth of the shaft is 108 feet, and is 9½ by 15 feet. A 7 foot seam of coal was reached April 14, 1906. The company has put in a pair of first motion engines 18 by 32 inches, made by the Crawford & McCrimmon Co., Brazil, Indiana. The drum is from 5 to 6½ feet, with a 1¼ inch cable. The boiler is 6 by 18 feet, with 72 4-inch flues, made by the Gem City Boiler Co., Dayton, Ohio. The wood frame head

tower is 70 feet high; the cages are self-dumping, of the Bond patent, made by the Ellison Machinery & Foundry Co., St. Louis, Mo., with shaker screens. The sheave wheels are 6 feet in diameter. The sinking of the air shaft has been started; it is $11\frac{1}{2}$ by $7\frac{1}{2}$ feet. The company has not as yet shipped any coal from this mine, but is waiting for the building of a switch from the Iron Mountain railroad. The capacity of this shaft will be from 1,500 to 2,000 tons per day.

The National Mining Co. has put down a new shaft two miles east of Eldorado, Saline county. The shaft is 13 by 9 feet and the depth is 337 feet. A 6-foot vein of coal was reached, which is known as seam No. 5. A pair of hoisting engines have been installed, 20 by 36 inches, they are the Keck Gonnerman make. The drum is 6 feet in diameter with a double brake. The boilers are the Atlas make, Dayton, Ohio, and are 6 by 16 feet, with 6-inch tubes, 300 horse power. The hoisting rope is $1\frac{1}{4}$ inches in diameter. The wooden head tower is 70 feet high. The cages are self-dumping with shaker screen, Parker make, and an Ottumwa box car loader. The air shaft is down, 10 by 10 feet. The fan is Keck Gonnerman make, 16 feet in diameter. This mine is located on the Louisville & Nashville railroad. The first coal was shipped June 17, 1905.

The Big Muddy Coal & Iron Co.'s shaft No. 9 is just completed. It is located in township 8, Jackson county. The hoisting shaft is 9 feet 1 inch by 18 feet 5 inches inside of timbers, with two cageways, each 6 feet 10 inches by 9 feet 1 inch, also a stair and pipe way 3 feet 6 inches by 9 feet 1 inch in the north end of shaft. The air shaft is $8\frac{3}{4}$ feet by 18 2-3 feet inside of timbers, with stair and manway in the south end of shaft $4\frac{1}{2}$ feet by $8\frac{3}{4}$ feet. The air way is $8\frac{3}{4}$ feet by 14 feet 2 inches, with a division of 8 by 10 inch buntons running through the center of air way. The depth to the coal is $107\frac{1}{2}$ feet. The coal is $6\frac{1}{2}$ feet in both shafts. Both shafts are timbered with 8 by 8 inch timbers through the surface and with 3 by 10 inch long leaf yellow pine through the slate, treated with a wood preservative. Friedstadt interlocking channel irons 16 feet long were used in going through a 14-foot strata of quicksand in the hoisting shaft, and United States interlocking steel piling 14 feet long was used in going through a 12-foot strata of quicksand in the air shaft.

The tipple is built of long leaf yellow pine, and is equipped with self-dumping cages, and four tracks. Each track has a 78-foot United States track scale under the tipple so that the empty and loaded cars are weighed standing. A box car loader will be installed as soon as it is needed.

The shaking screens are of steel, 8 feet wide, perforated sheets extending over 4 tracks, over which 7 grades of coal can be made in the different combinations of the screen.

The engine house of brick, 22 by 32 feet, at the north end of the shaft and contains a pair of 18 by 36 inch first motion, Danville hoisting engines, equipped with both foot and steam brakes, also an automatic device to prevent overwinding.

The boiler house is 44 by 92 feet, north of engine house, with balloon frame, covered and sided with galvanized iron. It contains four boilers 72 inches by 18 feet, with 70 4-inch flues. Two boilers are set to each battery, and there is room for four more boilers of same size, when needed. The boilers are supplied with coal by a conveyor running from the tipple to the boiler house.

The power house is 44 by 54 feet, balloon frame, covered and sided with galvanized iron, and contains one 20 by 42 inch Allis-Chalmers 300 H. P. Corliss engine at 92 R. P. M., with a 15-foot fly wheel, grooved for 18 1-inch ropes, and drives a 225 K. W. Crocker-Wheeler generator, 250 volts, direct current.

The switch-board has two pannels equipped with buss bar and Weston voltmeter and 1,000 ampere ammeter, one main circuit breaker and three smaller circuit breakers with fuses on each line. There are four circuits running from the switch-board to the bottom of the shaft, two for mining machines, one for lights and one for haulage, so connected up that a short circuit on one line does not affect any other. The cables are lead covered

and well insulated; lightning arrestors are placed on each line outside of the power house, and all cables are carried under cover from the power house to the shaft. There is sufficient room in the power house for a duplicate plant.

The fan is 10-foot Robinson pattern, guaranteed to produce 100,000 cubic feet per minute, and a 2-inch water guage at 350 R. P. M. These are enclosed in a cast-iron housing and connected to the air shaft by a concrete conduit, driven by a 10 by 20 inch plain slide valve engine, with a rope drive.

The main bottom entry of the shaft runs nearly east and west, 14 feet wide and $7\frac{1}{2}$ feet high and 400 feet long, on each side of the shaft. There are two tracks, $3\frac{1}{2}$ feet gauge, laid with 30-pound steel rails, cross bars 12 by 12 inches long leaf yellow pine, set 4 feet from center to center, lagging 3 by 12 inches. The coal is caged from the west side of the shaft, and empty cars are run to the east side by gravity. There is a parallel entry 9 feet wide and arched, on each side of the main bottom entry, making a three entry system on the bottom, with a 30-foot pillar between the main bottom entry and the parallel entries. The bottom is so arranged that the motor can bring the loads to the loaded side of shaft without making a running switch; 200 feet is the greatest distance necessary for the motor to travel without a load.

The pannel system will be adopted in mining, and three entry systems on all entries except the pannel, where the two entry system will be used. There will be two air courses and three traveling ways leading to the air shaft from the main entries.

Two Sullivan electric chain machines are at work at the present time, making an undercut $6\frac{1}{2}$ deep by $5\frac{3}{4}$ feet high. More machines will be installed as soon as needed. The general plans and construction, both above and below ground, for safe, efficient and economical operation of the property are considered to be second to none in the State.

ABANDONED MINES.

Three local mines have been abandoned during the year: The Rice & Crain mine, the Thomas Parritt mine and the mine of the Carterville Diamond M. Co., all located at Carterville.

The Carterville Coal Co. shaft "B" has not been operated during the year. The company failed to give any reason for not working this mine.

PROSPECTIVE MINES.

The Chicago & Carterville Coal Co. is still engaged in sinking its shaft "B," which is located two miles northeast of Herrin, Williamson county. The company has had some trouble in sinking through sand and water, which has delayed the work. However, the shaft is now about down to the coal and preparations are being made to begin the sinking of the escapement shaft.

IMPROVEMENTS.

The Chicago & Carterville Coal Co. of Herrin, Williamson county, has put in the Sullivan air punching mining machines, also a Sullivan air compressor, which has a capacity of 25 machines. The company is running from 20 to 23 machines per day and is doing good work.

The Carterville Mining Co., of Carterville, Williamson county, has put the main and tail rope system into the old Fredonia mine. This is the oldest mine in Williamson county. The company has purchased some new coal land, and, in order to cut down expenses of hauling, have put in the rope system, which is giving good satisfaction.

The O'Gara Coal Co., at Harrisburg, has changed its No. 2, 3 and 4 mines from hand to machine mines, and has introduced the Morgan-Gardner electric machines. The electric plant is located at the No. 3 shaft. The cable is on top of the ground to numbers 2 and 4 shafts, so that the one electric plant does the work for the three shafts. Two Erie automatic

dynamo engines have been installed at No. 3 mine. These are 19 by 18 inches, making 210 revolutions per minute, and will develop at this speed about 240 H. P. They are belt connected to two 150 K. W., 250 volts, Morgan-Gardner generators. These machines do good work in this coal, each machine getting out from 150 to 200 tons a day.

The Sunnyside Coal Co., Herrin, Williamson county, has changed from hand mining to machine work. The Sullivan air punching machines have been put in, also a Sullivan air compressor, which has a capacity for 30 machines. Twenty five machines are running daily and are doing good work.

CHANGES IN THE NAMES OF COMPANIES.

The following changes of mining companies in Williamson county are noted:

The St. Louis & Big Muddy Coal Co., located at Dumaine, has changed its name to the Madison Coal Corporation. This mine is located one mile and a half north of Carterville, and is commonly known as the Brush mine.

The Culp Coal Co. has been purchased by the Madison Coal Corporation. This mine is located about three miles north of Carterville, and is a new mine, not yet opened up, but when opened up will be a mine of 2,000 tons capacity. The New Ohio Washed Coal Co., at Carterville, has changed its name to the Hafer Washed Coal Co.

Changes in names of companies in Saline county: The Eldorado Coal & Coke Co., Eldorado, is now known as O'Gara Coal Co., mine No. 8. The Eldorado Coal Co., Eldorado, is changed to O'Gara Coal Co. No. 9. The Harrisburg Big Muddy Coal Co. is changed to O'Gara No. 10. The Diamond Coal Co., Harrisburg, has changed its name to the O'Gara Coal Co. No. 1. The Egyptian Coal Co. No. 1 has changed to the O'Gara Coal Co. No. 2. The Egyptian Coal Co. No. 2 has changed its name to the O'Gara Coal Co. No. 3. The Harrisburg Mining Coal Co. is changed to O'Gara Coal Co. No. 4. The Clifton Coal Co., Ledford, has changed to O'Gara No. 5. The Gas Coal Co., Harrisburg, has changed to the O'Gara Coal Co. No. 6. The Morris Coal Co., Carrier Mills, is known as O'Gara Coal Co. No. 7.

FATAL ACCIDENTS.

July 30, 1905. Benjamin Harris, top laborer, aged 34 years, married, employed by the Big Muddy Coal & Iron Co., at mine No. 8, Clifford, Williamson county, was injured while engaged in pinching an empty coal car down to the shaft. An engine backed some cars in and his arm was caught between the cars. The arm had to be amputated, causing his death. He leaves a widow and four children.

August 3, 1905. Bart Endrizzle, miner, aged 45 years, married, was instantly killed by falling slate while employed at the Johnson City & Big Muddy Coal Co.'s mine No. 1, Johnson City. He leaves a widow and seven children.

August 11, 1905. Charles Lebby, miner, aged 32 years, married, employed at the mine of the Chicago & Marion Coal Co., Marion, Williamson county, was loading coal under a piece of slate that had been marked "danger" by the mine examiner. Deceased had been trying to get it down but failed and went on loading his car, when the piece of slate fell on him, killing him instantly. Props were in the room and he could have put them under the slate, but failed to do so. He leaves a widow and four children.

November 25, 1905. W. A. McNeill, miner, aged 24 years, married, employed with the Robert Dick Coal Co., near Cambria, Williamson county, was burned to death while sitting at the powder box making up the powder. His partner, Monroe Crain, was cleaning out a blasting barrel with a squib. The squib was lighted and went through the barrel into the open can of powder, setting the powder on fire. He died at 10 00 o'clock the same day, and leaves a widow and one child.

December 6, 1905. John Calcaterra, miner, aged 19 years, was killed at the Big Muddy Coal & Iron Company's shaft No. 7, Herrin, Williamson county. It is supposed that the dinner pail of deceased caught in a button in going up the shaft, and that he lost his balance, falling from the cage.

December 7, 1905. William Walters, shot firer, aged 35 years, single, employed at the O'Gara Coal Co. No. 3, Harrisburg, Saline county, was shooting

a hole in the face of the second south entry on the east side. The hole was drilled in on the dead, to the extent of 5½ feet, which caused a blown out shot. Death was caused by suffocation.

December 14, 1905. Charles Hawkins, miner, aged 29 years, married, employed by the Dempsey Brothers at Equality, Gallatin county, lost his life by dropping fire from his lamp into the powder while making a cartridge. He was helped out of the mine by miners and died the same day. He leaves a widow and two children.

December 19, 1905. John Postle, superintendent, aged 43 years, married, employed at the Peabody Coal Co., No. 3, Marion, Williamson county, lost his life while trying to start a stationary engine that was used to pull cars down the track. The supposition is that the engine got on the center and he put his foot on the fly wheel to get off, with the steam on the engine, and when the engine started, it threw him into the gearing of the pinion wheel, killing him instantly. No one witnessed the accident. He leaves a widow and two children.

December 29, 1905. William Overly, driver, aged 18 years, single, employed at the Peabody Coal Co.'s mine No. 2, Marion, Williamson county, lost his life while driving a team of mules, and riding in front of the car. The lead mule stopped, causing the rear mule to back up, deceased in jumping off of the car was caught between the car and rib. He was injured internally and died one week later.

January 4, 1906. James Winning, miner, aged 66 years, married, employed at the Hafer Washed Coal Co., Cartersville, Williamson county, was walking towards the bottom of the shaft, a driver was going in with a trip of cars, having his back to the mule, guiding the cars over a switch. Deceased did not notice the driver coming, and the cars struck him on the right side. He died twelve hours after the accident and leaves a widow and eleven children.

February 23, 1906. T. L. Beers, top laborer, aged 25 years, married, employed at the Big Muddy Coal & Iron Co.'s mine No. 8, Clifford, Williamson county, was taking off and putting on picks on a cage. He signaled the engineer to lower the cage. It was evident he was not far enough away from the cage, and fell into the shaft after the cage. His instructions were to put the bar across the shaft before signaling the cage away. He leaves a widow and two children.

March 31, 1906. Bruce S. Ellis, cager, aged 37 years, married, employed at the Cartersville Coal Co.'s mine, Cartersville, Williamson county, was caught between the cage and the door-head of the shaft. He was in the act of pulling a car back onto the cage so that he could secure it. The cage was taken away, killing him instantly. He leaves a widow and one child.

May 25, 1906. Howard Hunter, miner, aged 61 years, single, employed at the St. Louis & Big Muddy Coal Co., Dewmaine, Williamson county, was killed by falling slate while loading his car. He had been notified to keep out until the place had been timbered, but paid no attention and went to work. He was injured internally and died the same day.

June 13, 1906. Charles Baumer, machine runner, aged 55 years, married, employed at the Gartside Coal Co.'s No. 3 mine, Murphysboro, Jackson county, was trying to get on to the cage after it had started up the shaft and fell backwards. His shoulders were dislocated, and he received other injuries. This accident was caused by the carelessness of deceased. He died the same day, and leaves a widow and four children.

Two other deaths occurred to miners in this district during the year, but as both deaths were due to natural causes, they are therefore not included in the number of deaths from accidents.

October 15, 1905, Joseph Malandrone, an Italian, miner, aged 50 years, married, died from heart trouble. He was employed in the No. 7 mine of the Big Muddy Coal & Iron Co., at Herrin.

January 13, 1906, Bert Welch, miner, aged 27 years, single, employed in mine A of the Chicago & Cartersville Coal Co., Herrin, died from neuralgia of the heart.

The tables of fatal and non-fatal accidents and the county tables follow.

Respectfully submitted,

THOMAS LITTLE,

State Inspector of Mines, Tenth District, Carbondale, Illinois.

Fatal Casualties—Tenth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident
1905										
July 30	Benj. Harris	24	Laborer, top	Clifford	1	1	4	..	6	Railroad cars
Aug. 3	Bart Endrizzi	45	Miner	Johnson City	1	1	7	..	9	Falling slate
11	Charles Lebby	32	do.	White Ash	1	1	4	..	6	do.
Nov. 25	W. A. McNeil	24	do.	Cambria	1	1	2	..	2	Powder explosion
Dec. 6	John Calcaterra	19	do.	Herrin	..	..	..	1	..	Falling from cage down shaft.
7	Wm. Walters	56	Shot firer	Harrisburg	..	..	..	1	..	Blown out shot
14	Chas. Hawkins	29	Miner	Equality	1	1	2	..	3	Powder explosion
19	John Postle	42	Superint'd't.	Marion	1	1	2	..	3	Piston wheel of en- gine
29	William Overly	18	Driver	do.	..	..	..	1	..	Pit car
1906										
Jan. 4	James Winning	66	Miner	Cartersville	2	1	11	..	3	Pit cars
Feb. 23	T. L. Beers	25	Laborer, top	Clifford	2	1	2	..	3	Falling down shaft
Mar. 31	Bruce S. Ellis	37	Cager	Cartersville	2	1	1	..	3	Ascending cage at door head
May 25	Howard Hunter	61	Miner	Dewnaine	..	..	..	1	..	Falling slate
June 13	Chas. Baumler	56	Mch. runner	Murphysboro	1	1	4	..	5	Ascending cage
	Totals				10	10	28	4	26	

Recapitulation of Fatal Casualties—Tenth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Cambria	1	Cager	1	Ascending cage	2	Big Muddy Coal Co.	3
Cartersville	2	Top men	2	Caught engine wheel	1	Cartersville Coal Co.	1
Clifford	2	Driver	1	Falling down shaft	2	Chicago & Marion C. Co.	1
Dewnaine	1	Mach. runner	1	Falling slate	3	Dempsey Bros.	1
Equality	1	Miners	7	Pit cars	2	Robert Dick	1
Harrisburg	1	Shot firer	1	Powder explosion	2	Gartside Coal Co.	1
Herrin	1	Superintend't.	1	Railroad cars	1	Hoffer Washed Coal Co.	1
Johnson City	1			Blown out shot	1	Johnson City & B. M. C. C.	1
Marion	2					O'Gara Coal Co.	1
Murphysboro	1					Peabody Coal Co.	2
White Ash	1					St. Louis & B. M. Coal Co.	1
Totals	14		14		14		14

Non-fatal Casualties—Tenth District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905								
July	20 Thomas J. Conner.	28	Grayson	1			1 Body burned, gas explosion	38
Aug	21 Charles Gnstdorfer	30	DeSoto	1	1		Leg injured, pit car	90
	24 Dock Sullivan	21	Harrisburg	1			1 Hands burned, powder explosion	30
	28 Tommy Whittaker	22	do.	1			1 Fingers mashed, tail chain	30
	21 John Spesia	28	Herrin	1	1		2 Shoulder and ankle bruised, falling coal	60
Sept.	1 Willis Sullivan	20	Harrisburg	1			1 Body bruised, pit cars	90
	21 Jasper Powers	25	do.	1	1		2 Foot broken, falling slate	30
	23 George Pecarra	37	Murphysboro	1			Leg broken, falling slate	101
Oct.	6 Thos. Hudson	30	do.	1	3		4 Hip fractured, falling slate	30
	21 Jas. Calcaterra	29	Herrin	1	2		3 Leg broken, pit cars	30
Nov.	15 John Hall	34	Murphysboro	1			1 Body bruised, pit cars	60
Dec.	5 Otto Pinnell	28	Eldorado	1	3		4 Body injured, falling slate	60
	9 Philip Hinton	47	Murphysboro	1	2		3 Foot injured, stepped on pick	40
	11 August Woods	53	do.	1			1 Shoulder and foot bruised, falling slate	60
	12 Lewis Rogers	37	Clifford	1			Ankle broken, mining machine	60
	23 Fred Guthrie	46	Cartersville	1	3		4 Face bruised, blast explosion	54
	27 Randolph Dale	52	Murphysboro	1			1 Shoulder bruised, pit car	34
1906								
Jan.	8 Ed Singler	36	Johnson City	1	3		4 Hip broken and rib fractured, pit car	49
	12 John Lewis	39	Bush	1	2		3 Body burned, blown out shot	60
	9 Frank McClinden	41	Harrisburg	1	3		4 Body bruised, kicked by mule	34
	15 Walter Jacobs	28	do.	1	1		2 Face burned, gas explosion	30
	25 Fred Meyers	27	Herrin	1			Hand mashed, falling coal	30
	30 Fred Smith	22	do.	1			Foot mashed, railroad car	40
	31 Paul Fratina	22	Clifford	1			Back bruised, falling slate	60
Feb.	7 Dalton Clark	35	Harrisburg	1	2		3 Arms broken falling coal	90
	15 Henry Harris	19	Clifford	1			Face bruised, pit car	40
	21 Richard Beattie	48	Murphysboro	1	4		5 Wrist injured, pit cars	31
	27 Wm. Crompton	26	Herrin	1			Fingers crushed, pit car	30
Mar	8 Lewis Grant	28	Harrisburg	1			1 Body bruised, blast explosion	30
	10 Otis Walker	27	Cartersville	1	3		4 Head and hips bruised, falling coal	90
	15 Jack Davis	28	Carrier Mills	1	1		2 Body bruised, pit car	120
	25 John Jackson	24	Harrisburg	1			Arm broken, falling door	30
	30 Leo Connelly	21	Murphysboro	1			Collarbone broken, electric motor	65
May	3 Samuel Harwick	54	Herrin	1	6		7 Leg cut, falling coal	120
	14 Jake Olavinia	25	do.	1			Body bruised, pit car	30
June	13 Jas. Tygutt	30	do.	1	1		2 Collarbone broken, head and hips injured, pit car	30
	Totals			27	9	41	66	

Total number of men injured..... 36
 Total time lost—days..... 1,370
 Average time lost—days..... 51.94

Recapitulation of Non-fatal Casualties—Tenth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Bush.....	1	Cager.....	1	Blast explosion.....	2	Big Muddy C. & I. Co.....	11
Carriers Mills..	1	Company man	2	Falling coal.....	5	Chicago & Carterv. C. Co..	2
Carterville.....	2	Drivers.....	9	Falling door.....	1	E. F. Daniels.....	1
Clifford.....	3	Mine examn'rs	2	Falling slate.....	6	Hoffer Washed Coal Co...	1
DeSoto.....	1	Loader.....	2	Gas explosion.....	2	Harrison shaft.....	3
Eldorado.....	1	Machine run'r.	1	Kicked by mule....	1	Inland Coal Co.....	1
Grayson.....	1	Miners.....	13	Machine.....	1	Johnson City Coal Co.....	1
Harrisburg.....	9	Motorman....	1	Motor.....	1	National Mining Co.....	1
Herrin.....	8	Pit boss.....	1	Pit cars.....	12	O'Gara Coal Co.....	11
Johnson City...	1	Shot firers...	4	Powder explosion...	1	Schmitgall Coal Co.....	1
Murphysboro ..	8	Trackman	1	Railroad car.....	1	Sunnyside.....	2
				Stepped on pick....	1	Western Coal Co.....	1
				Tail chain.....	1		
				Blown out shot.....	1		
Totals.....	36		36		36		36

Table showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries.
					Total days.	Average days.	
Ankle broken.....	1		1		50	50.00	2.78
Arms broken.....	2	1	1	3	120	60.00	5.55
Back injured.....	1		1		60	60.00	2.78
Body injured.....	9	8	1	17	428	54.78	25.00
Collar bone broken ..	2	1	1	2	25	47.50	5.55
Face injured.....	3	2	1	6	124	41.33	8.34
Fingers injured.....	2	2		1	60	30.00	5.55
Foot broken.....	1	1		2	30	30.00	2.78
Foot injured.....	2	1	1	3	80	40.00	5.55
Hands injured.....	2	1	1	1	80	30.00	5.55
Head and hips injured..	1	1		4	30	30.00	2.78
Hip broken and ribs fractured.	1	1		4	30	30.00	2.78
Hip injured.....	1	1		4	30	30.00	2.78
Leg broken.....	2	2		3	131	65.50	5.55
Leg injured.....	2	1	1	7	210	105.00	5.55
Shoulder injured.....	1	1		1	94	94.00	2.78
Shoulder and ankle injured.	2	2		3	63	31.50	5.55
Wrist injured.....	1	1		5	31	31.00	2.78
Totals, averages and percentages.	36	27	9	60	1,870	51.94	100.00

Gallatin County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Gallatin Coal & Coke Co.....	Equality .....	.....	42, 136	1, 978	20, 809	12, 648
1	Brown Coal Co., East Side .....	..do.....	8, 700	.....	.....	.....	270
Totals			8, 700	42, 136	1, 978	20, 809	12, 918
LOCAL MINES.							
1	J. E. Dempsey	Equality .....	.....	2, 800	.....	.....	1, 000
2	J. A. Anderson.....	..do.....	.....	2, 600	.....	.....	200
3	W. H. McLain .....	..do.....	.....	2, 304	.....	.....	100
4	Baldwin & Turner .....	..do.....	.....	380	.....	.....	.....
5	A. E. Evans	Junction .....	.....	120	.....	.....	.....
Totals .....			.....	8, 204	.....	.....	1, 300
Totals—7 mines.....			8, 700	50, 340	1, 978	20, 809	14, 218

Mines reported for 1905, 6.
New mines, 1.
Mines in 1906, 7.

Galatin County—Tenth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	EMPLOYEES.				Number.
Black or waste	Total.		Tons loaded on for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.		Tons mined by hand.	Average number of miners.	All other employees.	Total.	
1,723	81,394	572,885	80,956	3,973	12,643	3,722	196	81,394	72	25	97	1
.....	8,970	8,901	8,350	.....	300	320	108	8,970	15	9	23	2
1,723	90,264	581,697	69,306	2,973	12,943	4,042	151	90,264	87	33	120	
	3,800	34,000	.....	.....	3,800	.....	300	3,800	6	2	8	1
	2,600	2,350	.....	.....	2,600	.....	300	2,600	7	2	9	2
	2,404	3,496	.....	.....	2,404	.....	180	2,404	5	2	7	3
92	472	602	.....	.....	472	.....	64	472	2	1	3	4
.....	120	180	.....	.....	120	.....	75	120	1	1	2	5
92	9,596	511,629	.....	.....	9,596	.....	144	9,596	22	8	30	
3,815	99,860	593,815	69,306	2,973	22,539	4,042	.....	99,860	109	41	150	

Jackson County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Mud Valley M. & Mfg. Co., No. 1....	Hallidayboro..	.....	52, 000	50, 548	10, 373	32, 114
2	Big Muddy Coal & Iron Co., No. 6...	Murphysboro ..	11, 300	53, 547	12, 312	.....	66, 223
3	Big Muddy Coal & I. Co., Harrison..	..do.....	1, 488	50, 000	.....	.....	50, 737
4	Inland Coal & Washing Co., Inland.	DeSoto.....	.....	29, 908	15, 874	9, 158	16, 824
5	Gus Blair Big Muddy Coal Co., No. 1	Murphysboro ..	3, 573	34, 100	.....	.....	17, 079
6	Chicago & Carbondale C. Co., No. 1.	DeSoto.....	5, 000	20, 000	10, 000	10, 000	.....
7	Gartside Coal Co., No. 3.....	Murphysboro ..	.....	27, 306	.....	6, 805	.....
8	Gartside Coal Co., No. 4.....	..do.....	.....	24, 049	.....	6, 357	2, 927
9	Big Muddy Coal & Iron Co., No. 9...	..do.....	6, 806	861	.....	.....	550
10	Peacock Coal Co., No. 1.....	DeSoto.....	6, 000	.....	.....	.....	.....
11	Schmidgall Coal Co., No. 1.....	Murphysboro ..	.....	2, 306	.....	1, 000	402
Totals			34, 306	306, 310	97, 734	43, 783	196, 866
LOCAL MINES.							
1	John A. Young.....	Oraville.....	.....	4, 562	.....	.....	.....
2	Elmer Sponcler.....	Carbondale	1, 215	1, 954	.....	1, 172	117
3	H. S. Phillips.....	..do.....	.....	1, 500	.....	1, 000	.....
4	W. H. Myers.....	..do.....	.....	1, 000	.....	500	.....
5	W. R. Campbell.....	Vergennes.....	981	300	.....	.....	.....
6	Nisbet & Edwards.....	Ava.....	.....	1, 200	.....	.....	.....
7	John Herman.....	Oraville.....	.....	800	.....	.....	.....
8	David Dawson.....	Campbell Hill..	.....	750	.....	.....	.....
9	J. B. Schimpf.....	Vergennes.....	.....	504	.....	.....	.....
10	V. L. Church.....	Ava.....	.....	306	.....	.....	.....
11	Michael Schaeffer.....	..do.....	.....	200	.....	.....	.....
Totals			2, 196	13, 073	.....	2, 672	117
Totals—22 mines			36, 502	322, 383	97, 734	46, 455	196, 983

Mines reported for 1905, 20.
New mines, 2.
Mines in 1906, 22.

Jackson County—Tenth District—Concluded.

IN TONS.		Aggregate value, of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
21,796	177,911	\$171,061	111,726	40,738	2,661	21,796	170	177,911	140	138	278	1
.....	148,441	140,847	123,665	.....	.....	14,776	125	29,302	168	128	301	2
.....	120,819	114,125	106,311	.....	.....	14,002	157	.....	190	88	263	3
15,824	88,098	79,530	65,908	.....	962	21,323	204	88,098	86	73	158	4
.....	54,812	77,058	50,812	.....	1,000	3,800	255	.....	54	28	82	5
5,000	50,000	54,000	44,000	.....	1,000	5,000	160	50,000	50	20	70	6
11,800	46,081	56,129	31,107	.....	3,124	11,800	222	2,930	54	30	84	7
4,200	37,563	49,079	23,363	.....	.....	4,200	128	4,437	80	40	100	8
225	8,512	7,928	7,672	.....	.....	940	78	8,512	16	10	26	9
.....	6,000	4,800	3,600	.....	2,000	500	150	6,000	2	3	5	10
453	4,120	4,584	420	.....	3,000	700	300	.....	15	7	22	11
29,807	741,796	\$759,204	587,784	40,738	12,737	99,537	184	367,085	825	580	1,385	
.....	4,562	\$6,843	.....	.....	4,562	.....	300	4,562	4	2	6	1
.....	4,358	3,897	.....	.....	4,358	.....	250	4,358	5	.....	5	2
.....	2,500	2,280	.....	.....	2,500	.....	200	2,500	4	.....	4	3
.....	1,500	1,625	.....	.....	1,500	.....	200	1,500	4	1	5	4
29	1,398	1,324	.....	.....	1,398	.....	178	1,398	2	1	3	5
.....	1,200	1,500	.....	.....	1,200	.....	175	1,200	3	.....	3	6
.....	800	1,000	.....	.....	800	.....	100	800	1	.....	1	7
.....	758	1,328	.....	.....	758	.....	250	758	2	1	3	8
.....	504	756	.....	.....	.....	.....	180	504	3	1	4	9
80	386	398	.....	.....	386	.....	42	386	3	1	4	10
.....	200	250	.....	.....	200	.....	135	200	1	.....	1	11
109	18,166	\$21,666	.....	.....	18,166	.....	178	18,166	32	7	39	
60,915	759,962	\$780,973	587,784	40,738	31,908	99,537	.....	385,251	857	587	1,424	

Johnson County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	J. W. Tyler	New Burnside.	.....	512	.....	.....	.....
2	Edwards & White .....	..do.....	.....	400	.....	.....	.....
	Totals .....	.....	.....	912	.....	.....	.....

Mines reported for 1905, 2.
Mines in 1906, 2.

Johnson County—Tenth District—Concluded.

IN TONS.		DISPOSITION OF OUTPUT						EMPLOYEES.			
Slack or waste.	Total.	Aggregate value of total product.	Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.	Tons mined by hand.	Average number of miners.	All other employes.	Total Number.
	512 400	\$512 400			512 400		75 60	512 400	50 35	1	50 35
	912	\$912			912		66	912	50	1	50

Saline County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run	Lump.	Reg.	Nut.	Pcs or screenings.
SHIPPING MINES.							
1	O'Gara Coal Co. No. 4	Harrisburg . . .	48,283	22,108	.....	1,387	17,085
2	O'Gara Coal Co. No. 5	do	36,653	17,998	.....	1,517	7,247
3	O'Gara Coal Co. No. 9	do	44,675	2,512	2,706	5,157	7,086
4	O'Gara Coal Co. No. 8	do	35,381	17,012	.....	.....	2,717
5	Davenport Coal Co. A.	do	51,681	.....	.....	.....	.....
6	O'Gara Coal Co. No. 7	do	10,185	20,177	.....	6,497	12,603
7	Eldorado Coal Co. No. 1	Eldorado	47,414	.....	.....	.....	.....
8	O'Gara Coal Co. No. 5	Harrisburg . . .	8,940	17,148	609	5,084	12,307
9	Galatin Coal Co. No. 1	Galatin	35,159	.....	.....	.....	.....
10	O'Gara Coal Co. No. 1	Harrisburg . . .	15,653	5,426	.....	94	2,003
11	O'Gara Coal Co. No. 8	do	2,693	10,096	.....	2,880	5,682
12	O'Gara Coal Co. No. 2	do	9,087	4,887	1,178	2,307	2,542
13	Harrisburg Big Muddy C. Co. of Ill	do	11,245	.....	.....	.....	.....
14	National Mining Co. No. 1	Eldorado . . . .	.....	3,560	.....	1,560	2,015
15	O'Gara Coal Co. No. 10	Harrisburg . . .	519	2,187	.....	185	548
Totals			352,478	128,086	5,553	27,518	77,449
LOCAL MINES.							
1	Job S. Ingrain	Harrisburg . . .	.....	3,420	.....	1,140	.....
2	J. E. Dobyns	Eldorado . . . .	.....	558	.....	.....	.....
3	D. Bybee	Mitchellville . .	.....	232	.....	.....	120
4	Allen Tarillon	Eagle . . . . .	.....	200	.....	.....	.....
5	Lewis Dunn	Stonefort . . . .	.....	50	.....	.....	30
6	J. D. Wilkin	Kedron . . . . .	.....	75	.....	.....	.....
7	Logan Dunn	Mitchellville . .	.....	24	.....	.....	.....
Totals . . . . .			.....	4,560	.....	1,140	150
Totals—22 mines			352,478	127,596	5,553	28,658	77,599

Mines reported for 1905, 9.

New mines, 13*

Mines in 1906, 22.

* Some of these old mines, but not reported last year.

Saline County—Tenth District—Concluded.

MINE.	Total	Aggregate value of total product	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
			Tons loaded on cars for shipment	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total	
136	90,426	224,415	52,446		5,846	1,086	136	90,426	55	36	91	1
787	64,262	70,987	53,021		476	785	124	64,262	68	31	99	2
136	64,193	65,762	52,740		417	1,086	90	64,193	63	54	117	3
860	58,990	65,752	39,533	18,487		860	140	58,990	44	25	69	4
	51,631	46,468	50,366		152	1,110	220	21,345	39	27	66	5
129	50,631	54,710	49,158		345	1,129	99	50,631	57	28	85	6
	47,414	47,414	45,098		2,316		200	47,414	26	35	61	7
707	40,833	43,182	39,950		178	705	114	40,833	41	25	66	8
	36,159	34,351	31,350		4,000	800	168	26,159	40	18	58	9
147	24,253	25,856	23,196		10	1,047	98	24,253	25	12	37	10
888	23,049	25,209	21,913		247	889	91	23,049	39	31	70	11
204	22,055	23,064	20,853			1,202	101	22,055	27	20	47	12
	11,245	10,121	11,245				224	11,245	25	10	35	13
	7,135	7,049	6,625		800	710	133	7,135	9	8	17	14
373	3,812	4,398	3,115		324	373	22	3,812	23	35	63	15
047	596,090	5618,858	550,821	18,487	15,111	11,661	156	596,294	586	396	984	
25	4,560	26,840			4,560		200	4,560	9	8	12	1
	584	561			584		100	584	2	2	4	2
	352	468			352		50	352	2		3	3
	200	250			200		60	200	1		1	4
	80	85			80		23	80	1		1	5
	75	84			75		25	75	2		3	6
24	48	39			48		15	48	1		1	7
49	5,899	23,627			5,899		67	5,899	13	5	24	
098	601,979	5527,435	550,821	18,487	21,010	11,661		572,193	607	401	1,008	

Williamson County—Tenth District—1906.

OUTPUT OF MINES							
Number	NAME OF OPERATOR.	Postoffice address of the mine.	Mine run.	Pcs of screenings			
				Lump.	Egg.	Nut.	Pcs of screenings
SHIPPING MINES.							
1	Big Muddy Coal & Iron Co., No. 7.	Herrin	95,564	77,863	24,815	129,319	10,149
2	Chicago & Cartersville Coal Co., A.	do.	55,557	70,245	22,605	119,580	31,539
3	Sunnyside Coal Co., No. 1	do.	24,750	75,325	24,945	139,489	4,522
4	Madison Coal Co., No. 8	Dewmaine . . .	200,000	68,519			1,739
5	Peabody Coal Co., No. 3	Marion	5,567	49,864	55,774	6,198	13,146
6	Western Coal Mining Co., No. 1 . . .	Bush	110,105		47,743		70,613
7	Big Muddy Coal & Iron Co., No. 8 . .	Clifford	93,058	34,857	793	33,864	7,271
8	Cartersville District Coal Co., No. 1 .	Marion	53,497	23,470	24,376	28,840	38,736
9	Chicago & Big Muddy Coal & Coke Co., No. 1	do.	9,000	39,558	27,593	15,015	66,536
10	Cartersville Coal Co., C	Cartersville . .	2,000	26,399	39,563	27,887	30,967
11	Peabody Coal Co., No. 2	Marion	2,572	31,908	25,997	31,190	46,536
12	Chicago-Herrin Coal Co	Herrin	35,825	40,857	10,799	3,571	47,829
13	Johnson City & Big Muddy Coal & Mining Co., No. 1	Johnson City .	22,231	23,163	20,169	19,967	42,473
14	Williamson County Coal Co., No. 1 . .	do.	47,344	14,047	7,846	9,994	33,174
15	Chi & Marion Coal Co., White Ash . .	Marion	86,625	3,500	3,334	4,326	11,674
16	New Virginia Coal Co	Johnson City . .	90,000				
17	Cartersville & Big Muddy Coal Co., John	Cambria	28,933	22,187	1,926		25,767
18	Donaly & Koennecke Coal Co. New Donaly	Cartersville . .	6,439	12,066	12,529	5,720	30,767
19	Cartersville & Herrin C. Co. Jeffrey . .	Herrin	8,000	21,300	11,430	3,000	36,040
20	Robert Dick Coal Co	Cambria		36,538	6,643		23,251
21	Cartersville Mining Co., No. 1	Cartersville . .	5,275	11,908	9,129		34,135
22	Watson Coal Co., No. 1	Herrin	10,500	8,600	9,400	4,250	36,250
23	Cartersville Colliery Co., No. 2	Cartersville . .	4,625	11,088	8,524		32,943
24	Hafer Washed Coal Co., No. 3	do.		8,058	9,210		40,287
25	Madison Coal Co., No. 9	Cambria	50,000	8,513			
26	Cartersville Coal Co., A	Cartersville . .	1,000	8,322	13,462	9,315	10,831
27	Cartersville Mining Co., No. 3	do.	3,299	7,666	6,185		22,360
28	St. L. & Cartersville Coal Co. Walnut Ridge	Herrin	17,026	4,489	4,697		13,597
29	Johnson City & Cartersville Coal Co., Oak Ridge	Johnson City . .	1,909	10,395	5,434	5,068	12,300
30	Hafer Washed Coal Co., No. 1	Cartersville . .	2,230	3,404	3,402		10,336
31	Watson Coal Co., No. 2	Herrin	8,000				
32	Beltz Coal Co	Cartersville . .	400	974	1,257	659	309
Totals			1,080,832	750,076	440,628	582,143	796,177

Williamson County—Tenth District—Continued.

No.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
72	363,573	\$353,486	347,794	143	2,656	12,991	240	363,573	240	100	340	1
85	312,482	299,455	295,921	584	5,310	20,637	214	299,547	240	120	360	2
72	239,874	266,996	267,170		1,832	20,872	194	279,225	200	101	301	3
80	281,278	251,326	268,519	1,759		11,000	220	281,278	200	188	388	4
49	258,398	214,633	144,310		113,462	628	174	194,714	174	95	269	5
..	228,461	194,812	214,567		8,000	5,894	231	228,461	175	80	255	6
26	190,459	166,433	163,251		969	16,239	216		110	59	169	7
..	168,978	145,122	159,853			9,125	212		63	58	141	8
..	157,692	135,981	153,236		159	4,297	177	157,692	144	77	221	9
67	152,163	153,660	147,903			4,260	215	152,163	136	73	209	10
94	146,469	122,151	140,384			6,105	160	100,058	131	65	196	11
73	139,635	119,803	136,308		2,554	773	189	139,635	115	66	181	12
..	128,022	114,284	124,422			3,600	160	128,022	118	42	160	13
48	115,053	95,250	112,005			3,048	182	115,053	130	61	191	14
90	110,649	99,696	109,469			2,190	221	27,663	125	39	164	15
..	90,000	72,000	87,000		500	2,500	262	90,000	60	40	100	16
..	78,813	74,376	75,593		323	1,697	141	78,813	91	30	121	17
80	71,361	70,961	69,398		325	1,638	156	71,361	92	23	124	18
84	70,504	75,529	68,114		390	2,000	210	70,504	60	22	82	19
..	66,430	71,412	64,930		500	1,000	143	66,430	69	35	94	20
85	62,079	48,556	60,494			1,585	125	62,079	100	30	130	21
00	59,700	45,320	58,000	1,000		700	304	59,700	40	12	52	22
89	59,167	45,692	57,279			1,899	200	59,167	47	27	74	23
..	57,560	41,732	55,510		50	2,000	68	57,560	120	32	152	24
40	54,553	46,468	53,513			1,040	150	54,553	55	38	93	25
03	51,783	51,975	41,983	5,200		4,600	215	51,783	36	40	76	26
55	40,674	31,748	39,519			1,156	210	40,674	65	72	137	27
99	40,468	37,418	39,769	239	52	406	163	40,468	38	21	59	28
..	35,146	32,543	32,391		300	2,555	216	35,146	23	25	66	29
00	19,344	15,851	17,404		40	1,900	66	19,344	50	31	81	30
..	8,000	6,900	7,700			300	310	8,000	9	2	10	31
17	4,316	4,162	607	105	3,404		308	4,316	4	3	7	32
49	3,903,104	\$3,519,782	3,604,516	9,029	140,716	148,844	204	\$3,336,962	3,279	1,726	5,005	

Williamson County—Tenth District—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	J. W. Ingram & Son	Marion		2,863			5.76
2	John A. Young	Cartersville		4,562			
3	Lake Creek Coal Co	Johnson City	3,000				
4	Hemlock Coal Co	Herrin	100	800	100	50	1.00
5	W. S. T. Tarpley	Crab Orchard		1,000			50
6	Spiller & Whitecotton	Cartersville		882		320	
7	George A. Phillips	do		1,190			
8	E. E. Ensminger	Crab Orchard		800			30
9	T. M. Motsinger	do		440			
10	R. A. Canfield	Marion		171			
11	Marion Brinkley	Gibsonia		100			15
12	J. T. Henson & Sons	Marion		80			20
Totals			3,100	12,948	100	320	7.52
Totals—44 mines			1,083,932	763,024	440,728	582,522	773.09

Mines reported for 1905. 36.
New mines. 8.
Mines in 1906. 44.

Williamson County—Tenth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand	EMPLOYEES.		
Stack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.
	8,589	\$10,021			8,589		200	8,589	7		16
	4,562	6,843			4,562		200	4,562	5		7
	3,000	3,000			1,500	1,500	250	3,000	6		16
	2,050	1,543			1,800	250	40	2,050	6		16
	1,500	1,375			1,500		126	1,500	3		3
	1,312	1,350			1,312		105	1,312	2		4
	1,190	1,487			1,190		80	1,190	3		5
	1,100	1,640			1,100		80	1,100	5		8
	440	440			440		80	440	3		5
55	226	270			226		80	226	3		5
	116	108			116		75	116	2		2
...	100	96			100		50	100	2		2
55	24,085	\$27,570			22,325	1,750	112	24,085	51	26	77
282,304	3,927,189	\$3,547,353	3,604,515	9,020	143,051	150,594		38,361,097	2,230	1,782	4,012

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Gallatin	9	8,700	42,186	1,978	20,809	12,916	3,728	90,254	\$0.517	
Jackson	11	34,306	309,310	97,734	43,783	196,856	60,907	741,796	0.4314	\$0.4312
Saline	15	353,478	123,035	6,563	27,518	■,449	9,047	596,080	0. ■■■■	0.45
Williamson	32	1,060,832	750,078	■,628	582,142	766,177	263,249	3,908,104	0 ■■	0.3696
Totals and av.	60	1,477,316	1,224,557	545,993	674,252	1,062,400	366,826	5,331,244	\$0 ■■■■	\$0.396

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Gallatin	5	...	8,204	...	...	1,800	92	9,596	\$0.6029	
Jackson	11	2,196	13,073	...	2,672	117	106	18,163	0.6083	
Johnson	2	.....	912	...	...	.....	...	■ ■	0.65	
Saline	7	...	4,660	...	1,140	150	48	6,898	0.7198	
Williamson	12	2,100	12,948	100	■ ■	7,502	55	24,085	0.506	
Totals and av	37	5,296	39,697	100	4,192	9,069	304	53,658	\$0.5772	
Totals, districts —all mines	97	1,482,612	1,264,254	545,993	678,444	1,061,469	367,130	5,339,903	.....

Whole number of mines reported in 1905, 73.
 Number of new mines opened during the year, 24.
 Whole number of mines reported in 1906, 97.

Counties—Tenth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYMENT.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Reg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
151	90,264		\$1.00	\$1.15	\$1.00	\$0.80	\$0.2665	\$0.20	97	305	402
184	367,085	374,711	0.9823	1.2671	1.2311	1.1471	0.684	0.191	925	545	1,470
156	566,294	29,786	1.0064	1.4042	1.50	1.10	0.4051	0.25	500	305	805
204	3,336,982	566,122	0.8933	1.2224	1.214	0.9825	0.5545	0.2047	2,279	1,720	3,999
189	4,360,625	970,619	0.9202	\$1.2544	\$1.2192	\$0.9750	\$0.5745	\$0.2679	4,779	2,715	7,494

Counties—Tenth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYMENT.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Reg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
144	2,300		\$1.3000				\$0.4000	\$0.30	200	5	205
173	10,000		\$1.0000	1.3100		\$0.75	\$0.40	\$0.3000	20	7	27
69	300			1.0000					5	1	6
67	5,000			1.0000		\$0.75	\$0.40	\$0.30	100	5	105
113	20,000		1.00	1.3000	\$0.75	\$0.7500	\$0.4000	\$0.30	50	50	100
124	35,000		\$1.0000	\$1.3000	\$0.75	\$0.7500	\$0.40	\$0.3000	100	10	110
	4,300,000	970,000							4,000	2,000	6,000

APPENDIX.

Register of Certificated Mine Managers, Hoisting Engineers,
Mine Examiners.

ILLINOIS FREE EMPLOYMENT OFFICES

EIGHTH ANNUAL REPORT.

MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE—This list includes all the mine managers to whom certificates have been issued prior to Jan. 1, 1907.

The names which are printed in *italic* are those who hold both certificates of service and subsequent certificates of competency acquired through examination.

The names which are followed by the abbreviation "ex." are those who have exchanged certificates of service for those of competency, without examination, under the provisions of the amendment of 1895. Names followed by the letter "d" are deceased.

The postoffice addresses here given, and in all the lists following, are those recorded at the time the certificates were issued, and in many cases are not the present addresses of the certificate holders.

Name.	Postoffice.	Name.	Postoffice.
<i>Adams, Charles L.</i>	Rosboro	Baker, Charles.....	Centralla
Adams, J. M.....	Wanlock	Baker, Gustav.....	Streator
Adams, Horace L.....	Staunton	<i>Baker, Samuel G.</i>	Auburn
Ainsworth, Samuel (d)...	Taylorville	Rack, Thomas.....	Mapleton
Ainsworth, Samuel, Jr..	Taylorville	Balley, William.....	Athens
Ainsworth, Thomas.....	Taylorville	Balley, Joseph.....	Duquoin
Aitken, James.....	Streator	Baird, J. D.....	Westville
Alexander, J.....	Collinsville	Ball, Edward.....	Bartonville
Allen, Fred.....	Staunton	Barlow, Henry.....	Coffeen
Allen, David T.....	LaSalle	Barlow, John W.....	Johnson City...
<i>Amberger, Joseph</i>	Glen Carbon....	Barnes, James.....	Braidwood
Amerson, Wm. A.....	Moweaqua	Barnett, Oliver.....	Bryant
Anderson, W. C.....	Elmwood	Barratt, John C.....	Duquoin
Anderson, George.....	Streator	Barron, James, ex.....	Cantrall
Anderson, James.....	Ladd		Braidwood
Anderson, James C.....	Streator	Barrowman, William T..	DeSoto
Anderson, John M.....	Streator	Bartlett, Thomas, ex....	Cuba
Anderson, James.....	Kewanee	<i>Rashong, Andrew</i>	Danville
<i>Andreas, Aug.</i>	Belleville	<i>Rarwell, John</i>	Marrissa
<i>Augel, Hiram</i>	Belleville	Basso, Joseph.....	Athens
Angell, Charles.....	Belleville	<i>Bates, W. H.</i>	Winchester
Apblett, William R.....	Springfield	Bates, R. D.....	Winchester
Appleby, John E.....	Peoria	Bauder, Fred.....	Herrin
Argyle, Joseph.....	Coal City.....	Baumer, Fred.....	Marquette
Atkinson, Edward.....	Streator	Bauer, Valentine.....	Clyde
<i>Atkinson, E. Lee</i>	Streator	Baxter, William (d)....	Ladd
Atkinson, J. G.....	Pekin	Beaghan, Peter.....	Cantrall
Atkinson, William (d)...	Murphysboro....	<i>Beattie, Richard</i>	Murphysboro....
Atkinson, William.....	Braceville	Beattie, John.....	Danville
Armstrong, Thomas J....	Spring Valley...	Beatty, James.....	Mascontah
Armstrong, William C...	Marion	Beatty, James H.....	Mascoutah
Archer, John.....	Barclay	Beatty, Nephi.....	Mascoutah
Ash, T. G.....	Girard	Becker, Henry.....	Peoria
Aston, Huber, ex.....	Fairmount	Becker, Peter.....	Petersburg
Archibald, David.....	Freeburg	Becker, F. W.....	Pinckneyville ..
Ax, John.....	Edwardsville	Becker, Charles.....	Staunton
<i>Axford, Thomas</i>	Petersburg	Beckman, Theodore.....	Glen Carbon....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Beese, John.	O'Fallon	Burke, George, ex.	Paru
Beese, Charles A.	Belleville	Burkhardt, John B.	Mt. Olive.
Beese, John	Birkner		
Beggs, David W.	Marquette		
Beharrelle, Fred	Orchard Mines.	Cadmus, George T.	Lebanon
Bell, Richard.	Gillespie	Callar, Isaac.	Pottstown
Bell, William	Streator	Cameron, David J.	Pana
Belger, John	Nitwood	Cameron, D. S., ex.	Sorento
Beltz, Andrew	Harrisburg	Campbell, William	Sandoval
Bengston, John A., ex.	Galva	Campbell, Edward	Greenview
Bennett, James	Odia	Campbell, Frank J.	Athens
Bennett, John (d)	Centralia	Campbell, Thomas N. (d)	Pinckneyville
Berkstresser, W. A.	Duquoin	Campbell, H. J.	Assumption
Berry, Jessair	Greenview	Campbell, R. W.	Decatur
Betts, Joseph E.	Belleville	Canfield, R. A.	Madisonville, Ky.
Betts, Charles O.	Duquoin	Cannon, John	Marquette
Bevard, John J.	Kinmundy	Cardwell, Elliott	Zeigler
Bevard, F. C.	Cartersville	Carragher, Thomas	O'Fallon
Beynon, J. G.	Belleville	Carroll A. W.	Gillespie
Beveridge, David	Sorento	Carlson, Andrew	Colfax
Beggs, Samuel, ex.	Clark City	Carson, J. H.	O'Fallon
Biebel, Henry, ex.	Rentschler	Carson, Charles W.	Wolcott
Biggins, James	Sorento	Carter, Charles	Birkner
Bingham, Robert	O'Fallon	Carter, George	Birkner
Bird, George W.	Coffeen	Cartledge, Oscar	Gillespie
Birtin, Henry	Pana	Carroll, John (d)	O'Fallon
Birtley, William P.	Springfield	Casrylon, J.	Oglesby
Blair, Gus	Murphysboro	Casry James F.	Selhytown
Blair, Herbert	Divernon	Cathart, Matthew, ex.	Tilden
Blackenship, William F.	East Peoria	Center, George H.	Halidayboro
Blackinsopp, Thomas N.	Cable	Chalderton, John	Lenz Station
Bobell, Louis	Mt. Pulaski	Chambers William	Spaulding
Boetticher, F. J.	Athens	Champe William	Coffeen
Boston, O. W.	Murphysboro	Charnock, James	Decatur
Boston, James	Duquoin	Charlton George R.	Greenview
Bottomly, Edward	Oglesby	Cherry, John T.	Seatonville
Bottomly, John	Oglesby	Cherry, James	Seatonville
Bowen, M. I.	Staunton	Cherry, W. S.	Streator
Bowers, Robert	Wenona	Chere George	Pleasant Plains
Bowie, James	Braidwood	Checkin, David	Reed City
Bowie, George	Braidwood	Chivers, Joseph	Braceville
Boyer, J. A.	Fairmount	Connolly, Terrance J.	Assumption
Bracken, James A.	Greenview	Christie, David	Murphysboro
Bradenberger, F.	Belleville	Church, Henry M.	Marietta
Breeze, John A.	Taylorville	Clark, Martin	Collinsville
Brennan, John I.	Virden	Clark, Edward	Decatur
Brennan, Patrick	Tolna	Clark, Quinton	Decatur
Brennan, George	Belleville	Clark, Thomas	Braidwood
Breemen, William	Springfield	Clark, John	Decatur
Brinley, William R.	Westville	Clark, Walter J.	Collinsville
Brockhouse, Samuel	Caseyville	Clayton, Frank	Troy
Brigham William	Marietta	Clelland, Robert	Braidwood
Brooks, Peter (d)	Taylorville	Clifford Michael J.	Kewanee
Browlitt, Andrew	Bush	Coar, Firman	Worden
Browlitt, Benjamin	Braidwood	Coleman, Mont. S.	Virden
Brown, Andrew	Staunton	Collier, Frank J.	Bartonville
Brown, John	Glen Carbon	Collins, Richard J., ex.	O'Fallon
Brown, John	Pinckneyville	Combs, James W.	Kewanee
Brown, Thomas Marshall	Coal City	Conford, L.	Cantrall
Brown, William J.	Pontiac	Condis, Malcomb	Spring Valley
Brown, William F.	Murphysboro	Conity, Patrick	Duquoin
Brown, James B.	Farmington	Cooper, Charles	Nitwood
Brown, F. M.	Peoria	Cook, Robinson	Riverton
Brown, Leslie	Duquoin	Cook, William	Peoria
Browning, J. M.	Staunton	Cook, William	Duquoin
Bruecker, Emil	Belleville	Condon, Charles H.	Hanna City
Brueckman, George	St. John	Connors, William	Tolna
Bulmer, John, ex.	Muddy Valley	Connell, Nicol B.	Peoria
Bulmer, Benjamin	Streator	Conrad, William	Springfield
Bundy, John	Colchester	Cosgrove, Bernard	Sparta
Burdett, J. P.	Gillespie	Costello, Henry	Pana
Burris, William S.	Callin	Costor, George	Grape Creek
Bushong, Frank O.	Springfield	Corcoran, Charles	Murphysboro
Butske, Frank		Corrigan, James	Marshall

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Flood, John.....	Spring Valley...	Groom, John.....	Belleville ..
Foley, George, ex.....	LaSalle	Grosspitch, August.....	Belleville ..
Foley, W. B.....	Mapleton	Guest, Joseph, ex.....	Belleville ..
Foley, Arthur O.....	Auburn	Guest, John	Belleville ..
Forsythe, Peter.....	Centralia	Guiney, Martin G.....	Marion
Forsythe, Robert.....	Murphysboro.....	Guiney, James T.....	Braidwood ..
Foster, William.....	Lincoln	Gutherie, Farquhar M..	Gilchrist
Foster, James.....	Marion		
Fohl, Bernard, ex.....	Belleville	Haddick, John, Jr.....	Cable
Fox, John.....	Eltherley	Haddick, William, ex.....	Sherrard
Francia, T. L.	Braidwood	Haddow, Thomas.....	Pana
Fraser, William H.....	Danville	Hazerton, Joseph.....	St. John.....
Franklin, Bernard.....	Lincoln	Halle, George.....	Ladd
Frew, Archibald.....	Moweaqua	Hall, John.....	Sherrard
Freer, James.....	Peoria	Hallemeuer, Julius, ex.....	Golden Eagle ..
Fremgen, Casper.....	Edwardsville	Hall, Matthew.....	Braceville
Friska, Jan.....	Edwardsville	Halsael, Daniel.....	Lenzburg
Fritz, William, ex.....	Breese	Halbert, J. A.....	Westville
		Halbert, W. S.....	Westville
Gaffgan, Michael.....	Petersburg	Hamilton, Thomas.....	Nashville
Gaffgan, Patrick J.....	Springfield	Handwright, James.....	Virden
Galbraith, George.....	Tamaroa	Hanley, John H.....	Springfield
Garrity, John.....	Riverton	Hannah, Thomas.....	Iles Junction....
Gaul, Henry J.....	Ridge Prairie....	Hardin, Joseph H.....	Vandercook
Gavin, Barney.....	Springfield	Harding, Enos.....	Birkner
Gelsler, Ernest.....	Golden Eagle	Harding, Thomas F.....	Danville
Gell, Philip.....	Gilchrist	Harding, William.....	Lebanon
Gibson, Michael.....	Spring Valley....	Hachat, Joseph.....	Blue Mound....
Gilbert, Edward.....	Niantic	Hardy, Rufus B.....	Murphysboro....
Gile, William.....	Gillespie	Harkes, William.....	Coal City.....
Gilchrist, John W.....	Gilchrist	Harper, William J.....	Springfield
Gilchrist, H. M.....	Gilchrist	Harper, John	Colchester
Glass, William H.....	Pana	Harrison, John.....	Peoria
Gluck, Leo.....	Spring Valley....	Harris, Tom	Mukkeytown ..
Gonhy, John F.....	Gillespie	Harris, James S.....	DuBois
Goddard, Benjamin B.....	Duquoin	Harrison, Ernest.....	Streator
Goddard, William.....	Duquoin	Harrison, John.....	Virden
Godber, William.....	Cuba	Harrison, John, ex.....	Odin
Golden, George.....	Springfield	Harrison, William.....	Murphysboro....
Golden, William D.....	Springfield	Harrison, James.....	Athens
Goranch, R. H.....	Springfield	Harrop, James T.....	Seatonville
Goodall, George.....	Assumption	Hartman, Frank, ex.....	Murphysboro....
Goodwin, Robert A.....	Pontiac	Hartman, William.....	Freeburg
Gordon, Ephraim G.....	Wenlock	Hasseltan, F. D.....	Spaulding
Grabuck, Emil T.....	Stamton	Haskins, George H.....	Grape Creek ..
Grabuck, R. H.....	Stamton	Haskins, Joseph.....	Grape Creek ..
Graham, Hiram.....	Virden	Hanck, Fred	Glen Carbon ..
Graham, John W.....	Dunfermline	Hawkins, Sidney.....	Belleville
Graham, Lewis A.....	Jacksonville	Haydon, J. B.....	Springfield
Graham, William.....	Virden	Haven, Webster.....	Edwardsville ..
Graham, David L.....	Springfield	Hayes, Henry.....	Streator
Graham, John (d).....	Marion	Hehenstreit, Bruno (d) ..	Stamton
Granell, Ira.....	Herrin	Hehenstreit, R. W.....	Stamton
Grant, Peter, Jr.....	Peoria	Hehenstreit, T. G.....	Stamton
Gratz, Gottlieb.....	Hornshy	Hehenstreit, J. P.....	Stamton
Grumlich, Fred W.....	Belleville	Heine, Walter.....	DeSoto
Grumlich, Jul. M.....	Belleville	Heifrich, Henry.....	Reutcher
Gray, Thomas E.....	Springfield	Henderson, Edward.....	Springfield
Gray, Peter.....	Pana	Henderson, Joseph.....	Coal City.....
Green, Arthur.....	Braceville	Henderson, Thomas.....	Marion
Green, Thomas H.....	Springfield	Hendricks, Charles W.....	Belleville
Green, W. H.....	Belleville	Henley, J. H.....	New Athens
Green, Joseph, ex.....	Marion	Henley, Richard.....	Niantic
Green, John W.....	Springfield	Hepard, George.....	Tilden
Green, John.....	Belleville	Henry, Frederick.....	Kewanee
Green, Robert.....	Springfield	Henry, John T.....	Pontiac
Greenwood, John E.....	Edinburg	Henry, Philip.....	Kewanee
Greenwood, Robert.....	Duquoin	Heriot, James (d).....	Spring Valley....
Grieve, Peter.....	Collinsville	Heron, George.....	DeSoto
Grieve, Peter, Jr.....	Collinsville	Herring, William.....	Glen Carbon ..
Grieve, Peter.....	Belleville	Hetherington, Benj. M.....	LaSalle
Griffin, John.....	Central	Hester, John.....	Freeburg
Griard, William B.....	Belleville	Ribbard, George.....	Peoria

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
John.....	Springfield	Jones, Harry D.....	Riverton
Richard J.....	Sherrard	Jones, John H.....	Duquoin
A. W.....	Wyoming	Jones, Logan.....	Marion
James.....	Wyoming	Jones, Robert E.....	Oglesby
Marshall.....	Carterville	Jones, T. L.....	Ladd
Edward.....	Colchester	Jones, William.....	Marion
John A.....	Moline	Jones, William B.....	Sherrard
Harvey.....	Canton	Jones, William B.....	Wesley City
W. J.....	Belleville	Jones, William M.....	Tamara
Charles.....	Tilden	Jones, David W.....	Auburn
John.....	Duquoin	Jordan, Robert (d).....	Streator
Thomas F.....	Lincoln		
Charles A.....	Harrisburg	Kable, Joseph.....	Coulterville
Robert.....	Percy	Kane, Charles H.....	Dunfermline
Robert J.....	Duquoin	Kane, John M.....	Springfield
Thomas H.....	Duquoin	Kaney, John M.....	Centerville
D. J.....	Duquoin	Kay, John.....	Pawnee
Eben (d).....	Braceville	Kay, James.....	Sherrard
T. J.....	Duquoin	Karral, Charles.....	Westville
James.....	Braidwood	Karral, Edgar (d).....	Braceville
William.....	Braidwood	Kasher, Thomas.....	Braidwood
T. H.....	Staunton	Keating, James A.....	Streator
Thomas.....	Etherly	Keay, A. H. S.....	Seatonville
James.....	Braidwood	Keay, John (d).....	Springfield
John W.....	Braidwood	Keefe, Edward.....	Colfax
Hugh J.....	Pana	Keefer, William.....	Danville
John J.....	Litchfield	Kell, Matthew.....	Duquoin
J. A.....	Hillary	Kell, Peter.....	Duquoin
ert, Henry.....	Breese	Kelley, Bernard.....	Litchfield
reys, Edward.....	Murphysboro	Kelley, D. J.....	Carbon Hill
Ralph.....	Colchester	Kelley, Frank S.....	Centerville
Albert J.....	Edwards	Kelley, Joseph G., ex.....	Braidwood
James, ex.....	Tallula	Kelley, Robert D.....	Carbon Hill
		Kelley, J. D., Sr.....	Carbon Hill
James.....	Athens	Knepper, Henry.....	Gillespie
James M.....	Pontiac	Kennedy, J. W.....	Pana
ians, William.....	Lebanon	Kenny, Thomas.....	Springfield
William.....	Litchfield	Kerr, John.....	Rushville
		Kidd, Alexander.....	Oglesby
a, George W.....	Cable	Kidd, Andrew.....	Oglesby
on, Charles P.....	St. David	Kidd, W.....	Ridge Prairie
John.....	Mt. Olive	Kidd, Eugene.....	Ridge Prairie
Johan.....	Grape Creek	Kienbach, David.....	Edwards Station
William.....	Belleville	Killingsworth, C.....	Pinckneyville
Richard.....	Belleville	Kincaid, Lee.....	Athens
R. H.....	Kingston Mines	Kirby, James.....	Athens
Thomas H., ex.....	Kingston	Kirchner, Frank.....	Belleville
Peter.....	Carterville	Kirkwood, Martin.....	Rirkner
Alexander.....	Dunfermline	Klinginsfus, Otto.....	Belleville
David.....	South Danville	Klinginsfus, Emil.....	Belleville
Thomas C.....	Murphysboro	Klinever, Jon.....	Pana
J. A.....	Dunfermline	Knapp, Charles.....	Seatonville
John L.....	Fairbury	Koles, Henry.....	Breese
T. B.....	Danville	Kortkamp, William.....	Hillsboro
re, William M.....	Duquoin	Kortkamp, Louis.....	Hillsboro
John W.....	Equality	Kramer, Anthony P.....	Sato
Evan D.....	Spaulding	Kramer, Leo.....	Stonington
Andrew.....	Nashville	Krants, Jacob.....	Belleville
William.....	Danville	Kreppert, William.....	Springfield
James.....	Pinckneyville		
on, Cochran (d).....	Spring Valley	Lacour, August.....	Bartonville
on, Samuel.....	Oglesby	Laesser, Adolph.....	Belleville
Nels.....	West Frankfort	Lander, Alexander.....	Carterville
on, William.....	Marion	Lammoe, Frank.....	Warden
on, William.....	Elmwood	Lara, James M.....	Athens
Thomas F. (d).....	Collinsville	Lawa, J. M.....	Cuba
Charles.....	Marion	Lawson, John.....	Mt. Olive
Thomas.....	Taylorville	Lawson, Thomas.....	Lake Creek
David.....	Marion	Lawson, Arthur.....	Edwardsville
D. L.....	Taylorville	Lawson, John.....	Cable
John T.....	Lebanon	Leach, John.....	Auburn
Edward.....	Oglesby	Ledford, Edward M.....	Harrisburg

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
<i>igal, Bernard</i> (d)	Spring Valley...	<i>Pettier, Moses</i>	Spring Valley...
<i>, Isaac</i>	Coal City.....	<i>Pettigrew, Robert</i>	Troy
<i>n, Frank</i>	Decatur	<i>Phillips, James</i>	Minonk
<i>an, James</i>	Collinsville	<i>Pick, Edward</i>	Centralla
<i>lan, John</i>	Springfield	<i>Pickett, Joseph</i>	Spring Valley...
<i>a, Archibald</i>	Collinsville	<i>Pickett, Robert</i>	Spring Valley...
<i>hlin, Patrick</i>	Selbytown	<i>Picton, Joseph</i>	St. David.....
<i>hlin, William</i> (d)	Auburn	<i>Picton, John W.</i>	Farmington
<i>hlin, William</i>	Ava	<i>Pierson, Robert</i>	Harrisburg
<i>hlin, John</i>	Girard	<i>Pierce, William</i>	Edinburg
<i>, Robert</i>	Girard	<i>Poelker, Joseph</i>	Germantown ...
<i>imon, Patrick F.</i> , d	Spring Valley...	<i>Pool, Edgar E.</i>	Murphysboro...
<i>ow, Michael</i>	Farmington	<i>Potter, George</i>	Mapleton
<i>, George</i>	Carterville	<i>Postle, John</i> (d).....	Braceville
<i>le, A. B.</i>	Bryden	<i>Powell, Albert E.</i>	Belleville
<i>ney, Andrew</i>	Viriden	<i>Powell, Evan</i>	Murphysboro...
<i>ow, Thomas</i>	Farmington	<i>Powell, David, ex.</i>	Braceville
<i>, William</i>	Athens	<i>Powell, J. E.</i>	Sato
<i>eeese</i>	Kangley	<i>Powell, Thomas H.</i>	Belleville
<i>lbert N.</i>	Murphysboro...	<i>Powell, Samuel</i>	Roanoke
<i>William</i>	Murphysboro...	<i>Price, Fred W.</i>	Centralla
<i>, Thadeus</i>	Glenburn	<i>Price, William</i>	Braceville
<i>Richard</i>	Divernon	<i>Prince, Thomas</i>	Gillespie
<i>eter, ex.</i>	Bunker Hill....	<i>Proctor, Michael J.</i>	Toluca
<i>b, H. C.</i>	Pana	<i>Proctor, Peter</i>	Braidwood
<i>a, Henry T.</i>	Springfield	<i>Prudent, Edward</i>	Centralla
<i>, John</i>	Kingston	<i>Pryce, John M.</i>	Coal Valley...
<i>, Richard</i>	Orchard Mines..	<i>Pugh, Daniel</i>	St. John.....
<i>, Richard, Jr.</i> ...	Kingston Mines..	<i>Pullen, Charles</i>	Litchfield
<i>, Thomas</i>	Kingston Mines..	<i>Pullen, James</i>	Sorento
<i>, Thomas, Jr.</i> ...	Kingston Mines..	<i>Pye, William</i>	Bartonville
<i>Charles, ex.</i>	Millstadt	<i>Raby, Robert A.</i>	Cuba
<i>, John</i>	Belleville	<i>Radford, Thos., ex.</i> (d) ..	Bloomington
<i>George W.</i>	Duquoin	<i>Radford, William</i>	Cuba
<i>on, George A.</i> ...	Cuba	<i>Radford, James D.</i>	Springfield
<i>on, William</i> (d) ..	Cuba	<i>Radford, William T.</i> ...	Bloomington
<i>Robert</i>	Viriden	<i>Rae, Robert</i>	Braidwood
<i>eter</i>	Belleville	<i>Ramsey, Charles J.</i>	Gillespie
<i>red</i>	Freeburg	<i>Randle, Jesse</i>	Girkner
<i>, Peter</i>	Galva	<i>Rarick, Phil. W.</i>	Glen Carbon...
<i>s. C. K.</i>	Girard	<i>Ratliffe, Arthur</i>	Kewanee
<i>, George</i>	Streator	<i>Rauth, John</i>	Belleville
<i>e, John</i>	Spring Valley...	<i>Rasmussen, James E.</i> ...	Mineral
<i>, John W.</i>	Toluca	<i>Rasbottom, Frank</i>	Kingston
<i>, John J.</i>	Marquette	<i>Reagan, Daniel</i>	Muddy Valley...
<i>, James</i>	Belleville	<i>Reavley, Robert</i>	Riverton
<i>, Patrick J.</i>	Spring Valley...	<i>Redshaw, William</i>	Spring Valley...
<i>, William</i>	Pana	<i>Redyard, John</i>	Odin
<i>or, James</i>	Spring Valley...	<i>Reed, James</i>	Herrin
<i>or, John</i>	Braidwood	<i>Reeb, Phillip</i>	Belleville
<i>or, Patrick F.</i> ...	Paisley	<i>Reed, W. M.</i>	Girard
<i>, John</i>	Marquette	<i>Reed, William B.</i>	Wilsman
<i>Peter</i>	Westville	<i>Reents, August</i>	Kramm
<i>John</i>	Germantown	<i>Reece, Daniel</i>	Danville
<i>William</i>	Sandoval	<i>Reid, Andrew</i>	Springfield
<i>William</i>	Tallula	<i>Reid, Joseph</i>	Marion
<i>Robert</i>	Marion	<i>Reiley, Edward</i>	Danville
<i>Albert</i>	Collinsville	<i>Reimann, John</i>	Belleville
<i>Joe</i>	S. Wilmington..	<i>Rernison, Henry</i>	St. John.....
<i>, Joseph T.</i>	Springfield	<i>Reynolds, William</i>	East Peoria....
<i>, William C.</i>	Rarclay	<i>Reynolds, John</i>	Streator
<i>, John</i>	Murphysboro...	<i>Rhodes, Jefferson</i>	Pana
<i>n, J. O.</i>	Assumption	<i>Richards, John</i>	Murphysboro...
<i>George A.</i>	Belleville	<i>Richardson, Thomas</i> ...	Spring Valley...
<i>Harry</i>	Riverton	<i>Richardson, Joseph</i>	Litchfield
<i>John</i>	Braidwood	<i>Richardson, Robert</i>	Carterville
<i>, C. T.</i>	Pana	<i>Ridgley, O. L.</i>	Mt. Olive.....
<i>Thomas</i>	Norris	<i>Ritchie, Alex. Sr.</i>	Clinton
<i>J. D.</i>	Murphysboro...	<i>Ritchie, A., Jr.</i>	Trenton
		<i>Ritchie, Thomas</i>	Streator
		<i>Rittmann, J. J.</i>	Decatur
		<i>Roberts, Benj. D.</i>	Streator.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Roberts, Evan F.	Danville	Simpson, Thomas	O'Fallon
Roberts, Hiram	Collinsville	Sine, Charles A.	Johnston City
Roberts, John D., ex.	Streator	Singler, Edward	Johnston City
Roberts, Thomas D.	Streator	Sisk, A. J.	Equality
Robinson, Henry	Gardner	Skinner, Alexander	Diamond
Robinson, John T.	Kingston Mines	Skinner, David (d)	Diamond
Robinson, L. E.	Kingston Mines	Skinner, John	Diamond
Rodden, John	Pana	Skinner, John	Astoria
Rodenburg, Charles	Belleville	Skelton, A. H.	Coal City
Roe, Samuel	Oglesby	Sloan, Edward C.	Wesley City
Roe, Thomas	Oglesby	Small, James	Middle Grove
Rogers, Charles	Duquoin	Smethurst, Nathan	Spring Valley
Rogers, Josiah	Braidwood	Smith, Alexander M.	Sandoval
Rogers, Llewellyn	Braidwood	Smith, A. J.	Springfield
Rollo, George	Mt. Olive	Smith, David P.	Dawson
Rollo, James	Pana	Smith, Felle	Birkner
Rollo, John	Gillespie	Smith, James	LaSalle
Rollo, William	Pana	Smith, James J.	Riverton
Rockin, Thomas	Edwards Station	Smith, George A.	Sandoval
Ross, David	Oglesby	Smith, James L.	Mt. Olive
Rosbottom, James	Kingston Mines	Smith, James	East Peoria
Rowland, Charles, ex.	Belleville	Smith, John P.	Glen Carbon
Rosanski, Michael	Taylorville	Smith, James L.	Riverton
Rundle, John C.	Colchester	Smith, James P.	Collinsville
Rundle, William	Pekin	Smith, Henry W.	Springfield
Rutledge, Walton	Alton	Smith, Joseph	Bloomington
Rutledge, J. J.	Staunton	Smith, T. J.	Pana
Ryan, James (d)	Springfield	Smith, William	Athens
Ryan, Thomas	N. Springfield	Smith, William G.	Riverton
		Smith, W. H.	Hillsboro
		Smith, Thomas	Belleville
		Smith, W. J.	Girard
Sangrelet, Marshall	Mt. Olive	Sneddon, Richard	Virden
Sanders, John M.	Hanna City	Sneddon, Alexander	Peoria
Sandsom, Henry B., ex.	Streator	Sollenberger, Harry C.	Dunfermline
Saner, Frederick	Belleville	Solomon, John	Springfield
Saurs, Cornelius	Peoria	Solomon, Peter H.	Springfield
Seafie, William	Coal City	Southworth, Andrew P.	Belleville
Schlettler, Bruno	Springfield	Spiller, George H.	Murphysboro
Schroll, Joseph	Bartonville	Spire, Alfred	Braceville
Schram, Richard	Belleville	Springe, A. J.	St. David
Schreier, Gustav	Duquoin	Springer, Albert E.	Glen Carbon
Scheldel, John	Bartonville	Staehle, August	Belleville
Schellschmidt, Erna	East Peoria	Stanton, William B., ex.	Colchester
Schroyer, Edward	Dunfermline	Starks, William	Westville
Scott, George	Marissa	Starna, James	Hallidayboro
Scott, C. W., Sr.	Pocahontas	Steiner, Benjamin	Sato
Scully, William J.	Glen Carbon	Steel, Alexander	Streator
Scurah, Castling R.	Braceville	Steel, Daniel	Collinsville
Sebastian, Charles W.	Lenzburg	Steel, James	Spring Valley
Secor Frederick D.	Odin	Steel, Neal	Centralla
Seddon, Thomas	Paisley	Stevens, Walter	Virden
Senloe, George	St. John	Stewart, D. G.	Seatonville
Sevan, Charles	Danville	Stirrat, James	Peoria
Shanahan, John C.	Gillespie	Stockett, Howard N.	Springfield
Shaw, James	Peoria	Stockett, Lewis	Collinsville
Sharp, Montgomery, ex.	Coal City	Stocket, Thom. R., Jr.	St. Louis, Mo.
Sholeen, E. A.	Galva	Stockman, W. H.	Duquoin
Sholl, Joseph	Bartonville	Stoneburner, L. L.	Moweaqua
Shurin, Peter	Auburn	Storrie, Archibald	Seatonville
Shields, Frank D.	Pana	Stratman, Henry, ex. (d)	Springfield
Schuler, Charles	Gilchrist	Straley, Peter	Canton
Sidall, John S.	Pana	Strebel, George	Edwardsville
Sidall, James S.	Streator	Strickland, John	Coal City
Siddell, J. W.	Springfield	Stricklin, W. H.	Harrisburg
Siddle, John	Edwardsville	Stifton, Thomas	Millstadt
Simkin, Samuel	Streator	Sweeney, Charles	Danville
Simmons, Thomas	Canton	Swansberg, John L.	Danville
Simpson, Isaac	Glen Carbon	Swarthout, J. P.	Peoria
Simpson, David	Spring Valley	Syson, Frank	Niantic
Simpson, David	Springfield		
Simpson, George A.	Springfield		
Simpson, George C.	Springfield		
Simpson, William J.	Collinsville		
Simpson, Thomas	Collinsville	Tallman, John, ex.	Kangley
		Tattersall, George	Seneca

Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
se, Edward (d)....	Hillsboro	Westwood, John.....	Streator
t, Charles.....	Edwards	Westwood, Thomas.....	Belleville
, Daniel.....	Edwards	Wheatcraft, James.....	Elmwood
, Henry.....	Belleville	Whennen, Charles.....	Oglesby
, James.....	Edwards	Whitaker, John.....	Collinsville
, Joseph.....	Springfield	Whitaker William J.....	Collinsville
, Thomas H., ex.	O'Fallon	White, John.....	Pana
, Thomas H., ex.	Springfield	White, John R.....	Belleville
y, Charles.....	Danville	White, James.....	Ottawa
, James.....	Riverton	White, Michael.....	Virden
Alexander, ex.....	Coal City	White, Owen.....	Seatonville
as, William J.....	Spring Valley..	White, Louis.....	Spring Valley..
as, H.....	Westville	Whitehead, Joseph.....	Farmington
as, J. G.....	Spring Valley	Whitehead, Edward.....	Farmington
as, John R.....	Ladd	Wigham, William G.....	Carterville
as, T. J.....	Collinsville	Wild James.....	Murphysboro
as, Reese.....	Spaulding	Willey Robertson.....	St David
as, David B.....	Murphysboro..	Wilkinson, Frank.....	Westville
as, Richard.....	Ridge Prairie..	Wilkinson, T. H.....	Diamond
a, Martin, ex.....	Bartonville	Williams, Daniel J.....	Springfield
ason, John.....	DeSoto	Williams, James.....	Murphysboro
ason, Robert C.....	Murphysboro..	Williams, Thomas.....	Kinmundy
ason, Mark.....	Sherrard	Williams, Jeff.....	Farmington
ason, William.....	Mt. Olive	Williams, John.....	Riverton
ton, James.....	Duquoin	Williams, Louis.....	Belleville
nd, Joseph.....	Trenton	Williams, Robert H.....	Girard
h, David.....	Farmington	Williams, John W.....	Livingston
E. B.....	Kingston Mines.	Williams, Walter.....	Duquoin
ning, Walter.....	Murphysboro..	Williams, Thomas J.....	Cardiff
ley, Edwin, ex.....	Coal Valley	Williams, William H.....	Edinburg
n, William.....	Edwardsville	Williams, W. W.....	Hornshy
		Williams, David W.....	Herrin
.. Casper.....	Tilden	Williamson, William.....	Stannorton
		Williamson, Jacob.....	Springfield
v, Charles.....	Kinmundy	Willson, Hiram E.....	Carbondale
bur, John, ex.....	Springfield	Wills, Samuel.....	Westville
veer, P. E.....	Taylorville	Willson, John.....	Coal City
y, William.....	Pottstown	Wilson, David.....	Murphysboro
y, George.....	Pottstown	Wilson, David.....	Spring Valley
y, John, ex.....	Lincoln	Wilson, Hugh.....	Kinmundy
John.....	Springfield	Wilson, Alexander.....	Carbon Hill
		Wilson, Hiram.....	Carbondale
er, I.....	Mapleton	Wilson, H. C.....	Pekin
r, John K.....	Chenoa	Wilson, John B.....	Sparta
David E.....	Divernon	Wilson, John J.....	Wesley City
ce, David.....	Carterville	Wilson, Robert.....	Roanoke
nd, Ed. S., ex.....	Bartonville	Wilson, William.....	Middle Grove
aley, George.....	East Peoria	Wilson, Thomas.....	Norris
hlag, Stephen.....	Peoria	Wilson, William.....	Sparta
l, Patrick.....	Springfield	Wilson, David.....	Lincoln
l, Peter P.....	Pleasant Plains.	Wilson, W. R.....	Reed City
rs, William H.....	Staunton	Winneberg, W.....	Springfield
ss, John.....	Springfield	Winning, James.....	Carterville
ss, William H.....	Riverton	Winning Robert.....	Carterville
ing, T. J.....	Peoria	Winterbottom, John.....	Murphysboro
ing, Thomas.....	Pottstown	Winters, Samuel P.....	Bartonville
rs, Thomas W.....	Ladd	Wittman Daniel.....	New Baden
Wilson.....	Riverton	Walschlag Stephen, ex.	Peoria
le, John.....	Marion	Wood, Henry.....	Streator
in, James M.....	Herrin	Wood, Henry.....	Troy
s, Fred.....	Elmwood	Woods, William, ex.....	Morris
in, George R.....	Wyoming	Worthington Willard	Duquoin
ins, W. J.....	Danville	Wright, Thomas C.....	Belleville
l, Thomas J.....	Elmwood	Wright, John.....	Belleville
l, William.....	Elmwood	Wright, J. W.....	Kingston Mines.
r, Henry.....	Murphysboro..	Wundelbeck, John.....	Marion
ter, Richard.....	Collinsville		
s, Thomas.....	Streator	Yates, John.....	Belleville
nborn, F. E.....	Mt. Olive	Young, Hiram.....	Girard
eborg, Otto.....	Springfield	Young, Hugh G.....	Braidwood
water, David.....	Pekin		
wood, Albert.....	Belleville	Zink, Peter A.....	Belleville
wood, Thomas E.....	Marissa	zink, Charles L.....	Belleville
		Zoller, Robert H.....	Braidwood

MINE MANAGERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Adams, Charles T.....	Rosboro	Howe, William.....	Streator
Alsopp, William H.....	New Castle.....	Hoye, James.....	Braidwood
Andreas, August.....	Belleville	Hutton, James.....	Tallula
Angel, Hiram.....	Glenn	Hallenmeyer, Julius.....	Golden Eagle...
Atkinson, Edward.....	Streator		
Asford, Thomas.....	Petersburg		
		Jenkins, Eugene.....	Bartonville
Bailey, Robert.....	Sunfield	Jerromero, William M..	Duquoin
Banyert, Henry (d).....	Lincoln	Jones, David.....	Marissa
Bartlett, Thomas.....	Cuba		
Barwell, John.....	Cutler	Keller, George, Jr.....	Bartonville ..
Bates, W. H.....	Winchester	Kidd, Andrew.....	Wenona
Betz, Charles O.....	Duquoin	Kidd, Eugene.....	Ridge Prairie...
Bolander, John.....	Pekin	Kirley, Bernard.....	Kewanee
Bracken, James A.....	Greenville	Klingenhagen, Henry...	Belleville
Brown, Jabez.....	Cutler	Kramer, Anthony P.....	Sato
Brown, Thomas M.....	Pinckneyville		
Bunting, J. H.....	Grape Creek.....	Laumbattus, Philip H...	Tamara
Bushong, Andrew M.....	Danville	Lenze, Charles.....	Belleville ..
		Lloyd, Hosea W.....	Sheffield
Caldwell, James.....	Elmwood	Mason, Mark, Jr.....	Sato
Cape, Thomas.....	Fairview	Maule, Robert.....	Belleville ..
Cameron, Duncan S.....	Sorento	Meehan, Patrick.....	Breeds
Chere, George.....	Pleasant Plains...	Meehan, Peter.....	Williamsville ..
Christie, David.....	Murphysboro	Meredith, C. W.....	Augusta
Cooper, Charles.....	Nilwood	Michaels, Lewis.....	Belleville ..
Collier, Frank J.....	Bartonville	Miller, Nicholas.....	Lebanon
Coster, George.....	Grape Creek.....	Miller, William.....	Lenzburg
Crawson, Elihu.....	O'Fallon	Millen, John.....	Norris
Cummings, William.....	Rushville	Millett, Thomas.....	Collinsville ..
Cusack, M.....	Edwards	Moffatt, Thomas.....	Percy
		Monaghan, Edward.....	Carbon Hill...
Dale, John.....	Fredonia	Morin, Jeremiah.....	Danville
Davenport, John.....	Harrisburg	Morton, Robert.....	Virginia
Davis, Caleb.....	Collinsville	Murphy, John.....	Braidwood ..
Davison, Matthew.....	Duquoin	McCleery, James.....	Kangley
Deana, Henry.....	Percy	McDonald, Daniel.....	Menard
Donahy, James.....	Cartersville	McDowell, James A.....	Grape Creek ..
Duffner, J. W.....	Belleville	McKernan, James.....	Collinsville
Enstlinger, Emanuel B.	Crab Orchard...	Neal, William.....	Murphysboro ..
Entwhistle, Robert.....	Colchester	Nicholson, William.....	Cuba
Erwin, William.....	West Belleville...	Noyd, Lewis.....	Galva
Fagan, Patrick (d).....	Decatur	Oexner, Wendell.....	West Belleville
Fletcher, Adam.....	Ladd		
Forsythe, Peter.....	Centralia	Parkin, William.....	Sweetwater ..
Forsythe, Thomas.....	Centralia	Patterson, J. O.....	Assumption ..
Fowler, Henry.....	Millersburg	Peart, John.....	Braidwood
Franklin, Bernard.....	Lincoln	Pfander, Fred.....	Peoria
		Pickett, Robert.....	Canton
Gilbert, Edward.....	Niantic	Pool, Edgar B.....	Murphysboro ..
Glenn, John.....	Peoria	Price, David.....	Fairbury
Gondler, William.....	Cuba	Price, James L.....	Danville
Golden, George.....	Springfield	Pullen, Charles.....	Sorento
Graber, Henry.....	Orchard Mines...		
Grant, David.....	Pekin	Radford, William.....	Cuba
Gray, John (d).....	Roanoke	Randle, Jesse.....	Birkner
Green, Robert.....	Springfield	Reynolds, William.....	East Peoria...
Greenwood, Robert.....	Pincola	Royster, Moses L.....	Peoria
Grieve, Peter.....	Collinsville	Rusche, Christian (d)...	East Peoria ..
Griffith, William A.....	Colona	Ryan, James.....	Springfield
Haddick, Robert.....	Cable	Schmidt, Frank P.....	Limestone
Haensel, Daniel.....	Lenzburg	Shaw, Nathan.....	Kramm
Harrison, Ernest.....	Streator		
Helms, John L.....	LaSalle		

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
<i>Smith, David P.</i>	Dawson	<i>Thompson, John</i>	DeSoto
<i>Smith, Felix</i>	Preese	<i>Thornton, James</i>	Duquoin
<i>Solomon, Robert</i>	Springfield		
<i>Spencer, George</i>	Duquoin	<i>Waugh, George, Sr.</i>	Peoria
<i>Stanway, George</i>	Blair	<i>Westwood, Thomas</i>	Belleville
<i>Stark, Andrew</i>	Galva	<i>Wilkin, John B.</i>	Petersburg
<i>Stewart, David J.</i>	Seatonville	<i>Williams, John</i>	Sato
<i>Stuhlsatz, Michael</i>	Kewanee	<i>Williams, John T.</i>	Coalville
<i>Sutton, Thomas</i>	Millstadt	<i>Williams, Walter</i>	Duquoin
<i>Swan, Charles</i>	Oakwood	<i>Wilms, William (d)</i>	Springfield
<i>Swisher, James E.</i>	St. David.....		
<i>Telfer, Alexander W.</i>	Morris		
<i>Terrill, Thomas</i>	Colchester		

MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY AT MINES
EMPLOYING NOT TO EXCEED TEN MEN.

Name.	Postoffice.	Name.	Postoffice.
<i>Aby, J. J.</i>	Laura	<i>Bales, Joseph L.</i>	Danville
<i>Adams, J. M.</i>	Denmark	<i>Balmar, Jno. D.</i>	Bartonville
<i>Adams, Leonard</i>	Cuba	<i>Ball, Samuel</i>	North Alton....
<i>Adkins, Elmer</i>	Danville	<i>Banney, H. E.</i>	Abingdon
<i>Aldrage, John</i>	Danville	<i>Barbary, Paul</i>	Ava
<i>Aldridge, William R.</i>	Danville	<i>Barber, William</i>	Colchester
<i>Aldrich, M. M.</i>	Geneseo	<i>Bargreen, Charles</i>	Streator
<i>Ahlgren, Emil</i>	Kewanee	<i>Barkley, Charley</i>	Farmington
<i>Alexander, Orle A.</i>	Huntsville	<i>Barnett, W. M.</i>	Palzo
<i>Allen, James T.</i>	Pleasant View...	<i>Barter, Charles</i>	Bryant
<i>Allen, W. P.</i>	Spillertown	<i>Bass, Oscar J.</i>	Wyoming
<i>Allison, John</i>	Loding	<i>Bates, Geo. H.</i>	Kewanee
<i>Allison, William</i>	So. Moline....	<i>Bates, Wm. T.</i>	Rushville
<i>Allison, Elmer</i>	Danville	<i>Bates, Watson</i>	Kewanee
<i>Anderson, Alexander</i>	Sato	<i>Bath, Isaac</i>	Lewistown
<i>Anderson, Lee A.</i>	Streator	<i>Bath, Abraham</i>	St. David.....
<i>Anderson, N. C.</i>	Ottawa	<i>Baugh, William</i>	Henry
<i>Anderson, Josh.</i>	Equality	<i>Beatty, John T.</i>	Mascoutah
<i>Anderson, M. H.</i>	Knoxville	<i>Beatty, John T.</i>	Mascoutah
<i>Anna, Charles</i>	Wataga	<i>Becroft, Leonard</i>	Atkinson
<i>Argus, Leonard</i>	Belleville	<i>Bectler, John</i>	Pekin
<i>Arrandale, Jno. W.</i>	Streator	<i>Beddow, Benj.</i>	Danville
<i>Ascraft, J. W.</i>	Mayton	<i>Beers, M. A.</i>	Cable
<i>Aston, Emanuel</i>	Danville	<i>Beever, J. H.</i>	Farmington
<i>Atkinson, Amos</i>	Colchester	<i>Begum, Geo. E.</i>	Ottawa
<i>Atkinson, M.</i>	Kewanee	<i>Bell, James</i>	Morris
<i>Atkinson, Charles W.</i>	Colchester	<i>Bell, Charles</i>	Pleasant View..
<i>Auglin, John</i>	Shelbyville	<i>Beltz, Lindolph</i>	Carterville
<i>Avery, Geo. W.</i>	Industry	<i>Belz, George</i>	Carterville
<i>Axley, Edward</i>	Roodhouse	<i>Bennet, Fred</i>	Chillicothe
<i>Aylsworth, John</i>	Frederick	<i>Benson, William</i>	Winchester
<i>Backling, William</i>	East Peoria.....	<i>Berry, John</i>	Macomb
<i>Backofen, Jacob</i>	Littleton	<i>Bearry, George E.</i>	Peoria
<i>Badders, George</i>	Carrier Mills...	<i>Berry, Charles</i>	Monica
<i>Bailey, Oliver</i>	Carbondale	<i>Berry, W. J.</i>	Macomb
<i>Baird, W. C.</i>	Carbondale	<i>Berry, R. M.</i>	Cottage Grove..
<i>Baird, Oswald</i>	Colchester	<i>Berry, Wm.</i>	Monica
<i>Bailey, W. R.</i>	Sparta	<i>Beuer, Jacob W.</i>	Castletown
<i>Baker, L. C.</i>	Oakwood	<i>Reuer, Joseph</i>	Castletown
<i>Baker, William H.</i>	Industry	<i>Bexton, Wm. G.</i>	Colchester
<i>Baker, Lillian D.</i>	Coal Valley....	<i>Biggs, Isaac N.</i>	Tallula
<i>Baker, Joseph</i>	Ottawa	<i>Biggs, Henry</i>	Ledford
<i>Baker, F. W.</i>	Fairbury	<i>Bird, Daniel</i>	Roseville
<i>Baker, Wm J.</i>	St. David.....	<i>Birds, D.</i>	Peoria
<i>Balducche, Lorenzo</i>	Catlin	<i>Birds, John</i>	Peoria
<i>Baldwin, John O.</i>	Equality	<i>Bixby, Wm. M.</i>	Blair
		<i>Blackburn, Kelly</i>	Johnson City...
		<i>Blagden, Richard</i>	Leaman

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Blackey, Cuthbert.	Wyoming	Chadwick, E.	Oak Hill
Bleming, George.	East Peoria	Charlinsworth, Amos C.	Peotterburg
Blockley, Rufus	Equality	Charleson, Chas.	Wyoming
Bloom, Charles	Catlin	Charnok, Wm.	Victoria
Blotvagel, William	Wooden	Chesney, Alonso T.	Ava
Blue, J. W.	Grape Creek	Chilton, Richard	Kewanee
Blue, Ed.	Grape Creek	Chipping, W.	Canton
Bode, W. H. H.	Chesterfield	Chorlton, James	French Village
Boden, Ed.	Pre-emption	Christman, Charles W.	Spauld
Boldwyn, T. W.	Vergennes	Church, V. L.	Ava
Boostrom, Ben B.	Wataga	Clariday, Moody	Carterville
Bonnett, A. H.	Pilot	Clark, John	Monmouth
Bowman, G. W.	Yates City	Christy, H. S.	Whitehall
Bowman, T. L.	Industry	Clark, Samuel G.	Duquoin
Boyer, A. P.	Etherly	Clark, James A.	Equality
Brackhouse, Fred.	Chapin	Clark, J. H.	Brimfield
Braunaman, F. L.	Danville	Clark, John	Glasford
Brandt, Jean	Georgetown	Clarkson, William H.	Edwards
Brandt, Henry C.	Petersburg	Clarkson, Lorenzo	Kickapoo
Brandt, William	Mineral	Clifford, Geo. L.	Onelda
Brannon, James	Grape Creek	Cody, Richard	Peoria
Brennan, George	Caseyville	Coalspire, G.	Galesburg
Brinley, Ross	Danville	Coke, Robert	Marion
Broderick, Andrew	Danville	Colburn, John B.	Vanderbock
Brophy, M.	Shelbyville	Collins, Thomas	Collins
Brown, Charles	Marion	Collins, A. Y.	Greenfield
Brown, John	Ottawa	Collins, W. N.	Ava
Brown, William B.	Muncie	Colwell, Robert	Brimfield
Brown, S. C.	Lewistown	Colwell, H.	Duncan
Brooker, Fred	Lowell	Colwell, George	Wyoming
Bryan, John	Grape Creek	Covett, Lewis M.	Oakwood
Bryant, S. C.	Grape Creek	Cook, Charles	Grape Creek
Bryner, Leonides	Kosciusko	Cook, James K.	Etherly
Buchanan, B. M.	Streator	Cook, W. H.	Alexis
Bullock, Joseph	Collinsville	Cook, Louis B.	Etherly
Bullock, Henry	Collinsville	Cook, Wm.	Peoria
Bullock, Robert	Duquoin	Coons, Harvey	Fairview
Bunt, Joseph	Colchester	Coons, Chas. J.	Fairview
Bunting, C. J.	Danville	Cooper, Albert W.	Petersburg
Burdick, Frank	Industry	Cowens, W. P.	Pinkneyville
Burk, W. W.	Conant	Combs, J. W.	Kewanee
Burney, Ralph	Colchester	Compton, Archie	Spauld
Butter, William	Stonefort	Covert, Stephen D.	Danville
Byrnes, John	Brighton	Coulson, Foster	Wyoming
		Cotton, William	Peoria
		Crain, Willie	Ava
Cadle, John	Danville	Crawford, W. F.	Collison
Cagle, William	Frederick	Cressey, George	Colchester
Cagle, John	Littleton	Cryer, John H.	Morris
Cagdall, A. C.	Stonefort	Crew, Joseph	Chillicothe
Calms, James	Brighton	Crow, S. F.	Stonefort
Caldwell, Thomas	Avon	Crow, Wm.	Ava
Camey, Robt. P.	Lombardville	Croxton, Fred W.	Pleasant View
Campbell, Ed.	White Hall	Croxton, Walter	Pleasant View
Campbell, Andrew W.	Roseville	Crosby, E.	Etherly
Campbell, Francis A.	Viola	Crowe, James W.	Union
Campbell, W. B.	Vergennes	Cunningham, Lewis	Danville
Cameron, Henry	Viola	Cunningham, R. A.	Cutler
Carlson, Alfred	Sunny Hill	Cummings, Wm. M.	Rushville
Carlson, Andrew F.	Kewanee	Curtiss, Sanford	Rockbridge
Carroll, C. E.	Duncan	Cutler, F. H.	Princeville
Carroll, Thom. J.	Bunker Hill		
Carrell, A. J.	Duquoin	Dabbles, Joseph	Danville
Carter, Elmer	Camden	Dainty, James	St. David
Carter, Joe	Kewanee	Dalrymple, Wm. C.	Neponset
Carter, F. R.	Danville	Dalton, Isaac	Yates City
Carter, Wm. R.	Danville	Daniel, Jay	Danville
Carson, Charles H.	Flatt	Darrab, J. N.	Bladinsville
Carrison, George	Colchester	Daugherty, Robert T.	Table Grove
Casteter, John	Streator	Davis, Charles	Abingdon
Casteter, William	Streator	Davis, Benjamin	Streator
Catt, A. G.	Newton	Davis, T.	Payette
Catton, John	West Jersey	Davis, Chas. R.	Salisbury
Catton, C. F.	West Jersey		

Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
1. Thomas	Griffin	Evans, Ed. L.	Streator
1. Bert.	Colchester	Evans, Lewis	Kangley
Augustus	Yates City	Evans, W. L.	Cottage Grove
J. C.	Deer Park Glen	Eynman, Albert	Lewistown
Abraham L.	Middletown		
Camille	Orchard Mines	Fairley, R. J.	Cambridge
Thomas	Avon	Fairley, John	Cambridge
G. F.	Equality	Farrell, Hugh	Monica
J. I.	Equality	Faust, Jacob	Pinckneyville
Albert	Canton	Fenows, C. P.	Schullne
Ernest	Victoria	Fenwick, Geo. A.	Danville
David C.	Wyoming	Flicker, George	Farmington
Fred	Petersburg	Fink, Frank	Truro
n. Joseph	Norris	Fish, William	Appleton
Wm. W.	Colchester	Fisher, W.	Murrayville
Phillip	Freeburg	Fisher, N. J.	East Peoria
artin	New Burnside	Fisher, Alcide	Brighton
arvey	Glasford	Flemming, Thos.	Morris
A.	Princetonville	Flynn, William	Briar Bluff
E.	Kewanee	Foley, William H.	Mapleton
Jas. R.	Pre-emption	Forester W. M.	Equality
I.	Lafayette	oster, Geo. W.	Colchester
Wm. F.	East Peoria	oster, Thurman	Carbondale
Peter	Wataga	Fox, Thomas	Lewistown
Louis	Green River	France, Wesley	Fairmount
Charles W.	Kedson	France, Michael	Fairmount
B.	Truro	Francis, Wm. G.	Streator
y, P.	Pre-emption	Francis, C. W.	Catlin
Allen B.	Campbell Hill	Frazell, C. A.	Farmington
Chas.	Danville	Fredrickson, Andrew	Danville
Edward	St David	French, Strawther	Bradford
tephen A.	Canton	French, Alonzo	Yates City
A. L.	Vandercook	Frishy, E. O.	Spauland
Andrew	Danville	Frishy, W. E.	Spauland
Z. F.	Knoxville	Frost, Michael	Danville
Bert G.	Kewanee	Fry, John	Ray
B.	Tennessee	Fuller, James K.	Modena
John	Sheffield	Fustin, William	Marion
arvey	Osceola		
John	Canton	Gaddis, Ed	Hudgens
H.	Brimfield	Gahn, Henry	Marion
Simon	Canton	Galney, Wm. T.	Carbon Cliff
l, Charles	Ababer	Gallagher, W. F.	Mode
		Galloway, John	Glasford
gust	Belleville	Gallraith, Zacharias	Morris
rank	North Alton	Galney Thomas	Carbon Cliff
James	Ottawa	Garland Samuel	Kewanee
C. W.	Galva	Gary George	Ray
Thomas	Streator	Gelsler, Henry	Brighton
Robert	Ava	Gedelman, E. F.	Freeburg
T. J.	Crab Orchard	Gensol, Joseph	Lewistown
Geo.	Huntsville	Gebelhausen Gus E.	Peoria
David L.	Coal Valley	Gergens, Martin	Pinckneyville
A. G.	New Burnside	Geriach, Geo. F.	Sparta
John	Danville	Gilbride, Frank	Morris
l, A. B.	Kewanee	Gilderoy W. W.	Moamouth
eo. L.	Knoxville	Giles, H. W.	Danville
James	Caseyville	Gillotte, Charles	Elmira
Martin O.	Fairview	Gills, Neal M.	Winchester
Polvin	Fairview	Gills Fred F.	Danville
as M.	Danville	Gilligan, Jackson	Industry
g, Geo. H.	Ellisville	Glenn John	Briar Bluff
Alonso	Farmington	Goble, Frank M.	Industry
ames	Peoria	Golden, James	Kewanee
er, E. E.	Crab Orchard	Golden, Richard	Kewanee
s, W.	Colchester	Goode, Joseph	Lombardville
Anton	Belleville	Goss, Samuel	Norris
John	Danville	Gondy, W. S.	Brimfield
August	Galva	Grant, August	Kewanee
rank	St. Johns	Greer, William	Coal Valley
I. T.	Morris	Green, Samuel J.	Colchester
W.	Superville	Green, Henry	Canton
V. T.	Cuba		

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Green, Clarence.....	Sparland	Hilliard, E.....	Colchester
Green, Milton.....	Keithsburg	Hillier, Walter T.....	Carbondale
Grice, Albert.....	Kewanee	Hillier, Jesse.....	Rapatee
Griffiths, Edward.....	Hoodhouse	Hind, Robert.....	Salisbury
Griffiths, Thomas W.....	White Hall	Hinderer, Frank.....	Frederick
Griffiths, D.....	Caseyville	Hoar, William.....	Colchester
Griffiths, James.....	Grape Creek	Hobby, Wm H.....	Colchester
Griffiths, Joseph F.....	Moline	Hodge, S. M.....	Danville
Griggs, Allison.....	Brimfield	Hodge, John W.....	Itshville
Grim, David, Jr.....	Victoria	Hodge, Benjamin A.....	Danville
Grossman, Louis.....	Smithton	Hodgett, Absalom.....	Kewanee
Grossweller, Joseph, Jr.....	Pekin	Hodgson, Wm.....	Colchester
Groth, John.....	Carbon Cliff.....	Hodson, James.....	Danville
Groy, Max.....	Kewanee	Hoenback, Wm, E.....	Rapatee
Guckert, P. P.....	Hampton	Hogreamp, Walter.....	Pontiac
Gunnnett, A. J.....	Fairview	Hohlmer, Harry.....	Petersburg
Gurien, Louis.....	Pinckneyville	Holley, Wm. G.....	Wyoming
Gustafson, Edward.....	Wanlock	Holman, W. A.....	Vandercook
Guy, Thomas.....	Colchester	Homer, R. H.....	Lebanon
		Horrocks, Benj.....	Henry
Hagy, Wm. H.....	Lewistown	Hosby, Joseph.....	Danville
Haiding, James A.....	Wyoming	Houseman, Fred.....	Fosterburg
Hall, John.....	Colchester	Howard, Daniel.....	Georgetown
Hall, John.....	Grape Creek	Howard, Charles.....	Modena
Hall, Charles.....	Dunfermline	Howe, Wm.....	Streator
Hall, Geo. W.....	Newton	Huber, W. H.....	Lewistown
Hamilton, John W.....	Frederick	Hughes, John.....	Petersburg
Hamilton, John.....	Cuba	Hudson, Samuel.....	White Hall.....
Hamilton, Gail G.....	Frederick	Humes, Michael.....	Colchester
Hammon, John, Jr.....	Millstadt	Hunne, John A.....	St. Johns.....
Hammett, Otho J.....	Chillicothe	Hunter, Horace L.....	Briar Bluffs.....
Handly, John L.....	Coal Valley.....	Hurst, John.....	Belleville
Hanmann, Wm.....	Okawville	Hurst, Lot.....	Bartonville
Harbaugh, Geo. W.....	Chesterfield		
Harnisch, Ernest.....	Brighton	Isackson, Martin.....	Wataga
Harpole, Geo.....	Golden Eagle	Isackson, P. O.....	Wataga
Harrington, Frank.....	Farmington	Ingram, Robert H.....	Sparland
Harrington, D.....	Danville	Ingram, J. S.....	Harrisburg
Harris, A. J.....	Tilton	Irwin, James.....	Green River.....
Harris, David.....	Hanna City	Irwin, Fred.....	Smithton
Harris, Oliver.....	Canton	Ivans, W. A.....	Cottage Grove.....
Harris, James S.....	DoBois		
Harris, Hardy.....	Callin	Jacobs, John.....	Wataga
Harrman, John.....	Peoria	Jacobs, Claude.....	Danville
Harvey, John.....	Murphysboro	Jacquot, Augustare	Danville
Haskins, Alfred.....	Grape Creek	Jack, John	Marion
Hatfield, Charles.....	Danville	Jamieson, E. J.....	Loding
Hauck, Henry L.....	Fosterburg	Jamieson, Guy.....	Loding
Havens, Bert.....	Truro	Jarrell, Miles.....	Cottage Grove.....
Haves, C. G.....	Kewanee	Jayne, Richard.....	Cuba
Heathcock, George.....	Princeton	Jenkins, D. A.....	Danville
Heather, James.....	Morris	Jenner, A. T.....	Pinckneyville
Helitz, A. F.....	Kickapoo	Johnson, Arthur.....	Belleville
Heltzman, Jacob.....	Bartonville	Johnson, C. E.....	Canton
Hendee, Isaac.....	Bernadotte	Johnson, Gus.....	Kewanee
Henry, Samuel.....	Danville	Johnson, Cornelius F.....	Middletown
Henson, John E.....	Denmark	Johnson, Ashford.....	Hanna City.....
Hennemann, Charles.....	Belleville	Johnson, J.....	Farmington
Herman, John.....	Oscarville	Johnson, Benjamin.....	Smithboro
Herman, John.....	Kewanee	Johnson, J. E.....	Dunfermline
Hekstrom, E.....	Victoria	Johnston, James H.....	Wyoming
Herrington, Thomas.....	Princeton	Jones, W. L.....	Bradford
Herselman, Herman.....	East Peoria.....	Jones, C. S.....	Rato
Hewitt, William B.....	Chenoa	Jones, W. W.....	Bradford
Hewy, W. B.....	Canton	Jones, A. J.....	Peoria
Hibbard, Lewis W.....	Peoria	Jones, William.....	Colchester
Hickson, David.....	Ottawa	Jones, A. H.....	Colchester
Hicks, Wm. E.....	Crab Orchard.....	Jones, James A.....	Winchester
Hickman, Willis.....	Frederick	Jones, James E.....	Streator
Higbee, Lawrence.....	Princeville	Jones, John L.....	Peoria
High, Charles.....	Danville	Jones, Jackson.....	Winchester
Hixson, Charles.....	Tilden	Jones, W. H.....	Callin
Hibbard, George A.....	Limestone		

Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Wm. J.	Kewanee	Lingart, L.	Grape Creek...
Evan A.	Catlin	Lingenfelter, J. E.	Canton
Arthur.	Viola	Link, Alex. E.	Sunny Hill
Thomas.	Peoria	Little, George.	Roseville
Andrew.	Winchester	Little, John T.	Roodhouse
William.	Mapleton	Little, J. H.	Roodhouse
Conrad.	Peoria	Littlefield, Joseph.	Brimfield
Will.	St. David	Lively, James.	Freeburg
John L.	Trivoli	Llewellyn, Edw.	Danville
E. S.	Newton	Lloyd, Elsie.	Danville
George.	Grayville	Lloyd, Benj. F.	Danville
Wm. L.	Smithton	Lloyd, D. E.	Danville
		Long, C. E.	Danville
Herman.	More	Lockne, David L.	Lewistown
ugh, J. A.	Colchester	Lodging, E.	Loding
James.	Atkinson	Loper, J. B.	Chesterfield
William H.	Morris	Lord, James.	Galva
Bert.	Atkinson	Lowry, Samuel.	Lewistown
Robert.	Briar Bluff	Loy, D. O.	Atkinson
William G.	Atkinson	Lucking, Edward J.	Fosterburg
Thomas.	Grape Creek	Lucking, Lewis.	Brighton
George G.	Spaulding	Lucking, Chas. H.	Brighton
John.	Shelbyville	Luneford, John H.	Bunker Hill
W. L.	Stonefort	Lyle, Charles W.	Brighton
A. G.	Friendville	Lyon, Maxwell.	Coal Valley
ing, James.	Phelpsfield		
n, Henry.	Kewanee	Mable, William.	Fairview
William.	Rushville	Magnusson, Eloy.	Danville
W. J. W.	Briar Bluff	Mahler, G. W.	Ray
J.	Roseville	Malone, Mary.	Duquoin
rn, Wm. C.	Shawneetown	Mallergren, James W.	Petersburg
Ambrose L.	Victoria	Manley, William.	Golden Eagle
e, Wm. T.	New Burnside	Manell, Richard.	Rock Island
Joseph.	Pekin	Market, Albert.	Roodhouse
Henry B.	Campbell Hill	Martin, William, Sr.	Colchester
Idah.	Wyoming	Martin, G. W.	Laoc
on, Paris.	Equality	Martin, J. B.	Laoc
Oscar.	Streator	Martin, J. W.	Farmington
e, William.	Colchester	Martin, Fred.	Peoria
nfus, Emil.	Belleville	Martin, John H.	Canton
an, John.	Ipava	Martin, Patrick.	Peoria
rhocker, Edwin.	Fairview	Martin, William, Jr.	Colchester
idge, John.	Vermont	Martin, David A.	Canton
John.	Roodhouse	Martin, Geo.	Kewanee
an, Fred.	Rapid City	Marriage, Joseph.	Grape Creek
amp, A.	North Alton	Marxer, Joseph.	Milstadt
		Marley, Richard.	Atkinson
		Marler, Robert.	Atkinson
David.	Monica	Marshall, G. A.	Cuba
Edwin.	Kewanee	Marshall, J. C.	Caseyville
rt, Austin H.	Keensburg	Mason, Frank A.	Carbondale
James.	Peoria	Massey, Jesse.	Streator
Richard.	Colchester	Mathew, T. J.	Stonefort
Jacob.	Belleville	Matsinger, Theodora.	Crab Orchard
Nick.	Pinckneyville	Mauck, Joseph.	Danville
en, John.	Old Berlin	Mauck, L. F.	Danville
d, John.	Grape Creek	Maywood, Henry.	Gilchrist
orfer, C. W.	Pre-emption	May, James.	Lewistown
Thomas.	Youngstown	Medearia, Jas.	Henry
James.	Alexis	Melker, B. F.	Danville
Charles W.	Cable	Melvin, Leo.	Kewanee
ist, O. W.	Equality	Melvin, R.	Kewanee
Charles W.	Galesburg	Mellegram, John.	Petersburg
en, O. G.	Danville	Meller, Louis.	Brighton
Charles E.	Cambridge	Memmer, L.	Canton
Thomas.	Carterville	Mercy, Geo.	St. David
ance, B.	Youngstown	Mercer, L. W.	St. John
in, Alfred.	Cable	Merron, G. W.	Crab Orchard
n, E.	Kewanee	Merrill, R. M.	Campbell Hill
Charles.	Danville	Mescher, W. T.	Lallape
a, P.	Canton	Mertz, Wm. M.	Ottawa
August.	Danville	Mitta, Henry.	New Douglas
sch, P.	Wataga	Miller, William.	Caseyville

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Miller, George A.	Danville	Nelson, James	Knorrville
Miller, Elias	Grape Creek	Nee, John J.	Colchester
Miller, Elsie	Grape Creek	Nelson, Louis	Streator
Miller, Smith	Mapleton	Nelson, Nels	Ottawa
Miller, L. B.	Grape Creek	Nelson, John B.	Morris
Miller, George A.	Danville	Nelson, Chris	Chandlerville
Miller, C. G.	Youngstown	Nenneker, Andy	Bushnell
Miller, Wm. J.	Cable	Nenneker, Fred	Bushnell
Mitchell, Robert T.	Prairie town	Neville, Wm.	Catlin
Mitchell, Robert J.	Shawneetown	Newell, J.	Spartan
Mobaker, John	Danville	Newton, F. B.	Modena
Molloy, John	North Alton	Newton, Geo. H.	Toulon
Monroe, Archie	Carriers Mills	Newton, B. F.	Bradford
Montgomery, John	De Soto	Nibbelin, John	Elwood
Montooth, Chas.	Bradford	Nighswonger, Asa	Spartan
Moorman, Mark	Illinois City	Nodcon, E. W.	Wataga
Morrison, Alva	Modena	Norein, A. G.	Sheffield
Moore, John K.	Orien	Norris, Floyd	Duquoin
Moore, Nanly	Saline Mines	Nosley, Alfred	Golden
Moore, W. F.	Victoria	Nyde, John B.	Galva
Moore, Slim J.	Cottage Grove		
Moran, Michael F.	Sheffield	O'Brian, William	Cuba
Morrison, D. D.	Danville	O'Brian, James	Georgetown
Morris, Mordica	Faith	O'Daniel, Arthur	Danville
Morris, Geo. J.	Millersburg	Oldham, Samuel	Colchester
Morgan, Charles	Onelda	Oldham, Ralph	Colchester
Mordue, Geo.	Colchester	Odum, D. B.	Carriers Mills
Mosher, Charles	Etherly	Owens, Orby G.	Stonefort
Moss, Oliver	Vergennes		
Morton, T. J.	Danville	Pahlman, H.	Pluffs
Mowbray, Jno.	Atkinson	Parker, William	Milan
Muir, George	Victoria	Parker, W. G.	Winchester
Munta, William	Streator	Parle, Sylvester	Danville
Mutrany, Chris	Farmington	Parle, James	Danville
Murphy, Fred	Belleville	Parr, Sam	Fairview
Murphy, Led	Monmouth	Parr, Joseph	Princeton
Murphy, Hiram	Macomb	Parthan, M.	Rato
Murphy, J. J.	Fairview	Patton, Wm. A.	Kramm
Murphy, Chas. H.	Canton	Paul, John	Sheffield
Murcheson, Kenneth	Kewanee	Payne, Charles C.	St. John
Murray, Samuel	Monmouth	Pearson, William M.	Astoria
Mustard, Elijah	Canton	Pearson, John	Colchester
Muzzy, William H.	Peoria	Peck, E. E.	Canton
Myers, W. H.	Carbondale	Pendergast, John	Superville
Myers, Geo.	Ottawa	Penman, James	Streator
Myers, Perry	Bethalto	Penman, William	Pre-emption
Myers, Chas. A.	LaHarpe	Penn, George	Belleville
McAnnally, Jno.	North Alton	Penn, Henry	Brimfield
McBride, W. T.	Fairview	Perkins, John E.	Carroll
McBrown, Charles	Canton	Perkins, J. B.	Ray
McCartney, C. T.	Alexis	Perdue, Joseph	Hudgens
McDaniel, Chas. C.	Wyoming	Perry, D. E.	Colchester
McClure, Marion	Colchester	Peters, Benard	Swansea
McClough, Jas.	Ottawa	Peters, M.	Streator
McDonald, Theodore T.	Wyoming	Peterson, August	Superville
McDonald, Samuel	Moro	Peterson, Nicholas	Carroll Twp.
McEwee, Charles P.	Winchester	Petrie, George	Pekin
McGovern, T. B.	Onelda	Phillips, Sebirt	Carbondale
McGovern, S.	Onelda	Preston, Bryan B.	Cable
McGuire, John	Alsey	Presswood, C.	Pinckneyville
McGuire, Patrick	Winchester	Price, Benjamin	Kewanee
McInire, Geo.	Industry	Pichon, Joseph	Danville
McIntosh, Samuel B.	Alexis	Pickett, George	Danville
McKane, R.	Galva	Pistor, William	Millstadt
McKeen, William H.	Danville	Polonius, George	Colchester
McKiney, Charles	Cottage Grove	Pollit, James H.	Canton
McLain, William B.	Equality	Poole, Plumber	Danville
McLaughlin, Joseph	R. F. D. No. 5	Poore, William	Elkington
McMichael, T. M.	New Burnside	Posten, M. W.	Brier Hill
McMillan, William J.	Streator	Porter, William H.	Macomb
McNaught, Henry	Williamfield		
McNeil, William	Griffin		

Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Thomas.....	Cartersville	Rohr, Joseph C.....	Alexis
James.....	Lewistown	Roland, Adolph.....	Grape Creek
James.....	Mapleton	Romine, Wilson.....	Youngstown
James.....	New Burnside	Romine, William.....	Roseville
William.....	Danville	Roek, G. H.....	Canton
J. A.....	Carbondale	Roek, John.....	Brimfield
Wm.....	Wyoming	Roosa, V. L.....	Pleasant View
Rence H.....	Macomb	Rose, James.....	Equality
Christopher.....	Elmwood	Royce, Sylvester.....	South Danville
A. J.....	Ava	Ryan, Philip.....	Ashland
Jonah S.....	Danville	Russell, John R.....	Danville
Lewis.....	Dunfermline		
Wm F.....	Kewanee		
		Sackville, James.....	Cool Valley
W. Joseph.....	Brimfield	Sample, John.....	Laura
Robert.....	Farmington	Saunders, W. G.....	Monica
Charles.....	Oraville	Saunders, David T.....	Peoria
Wm.....	Bryant	Saupe, John J.....	Peoria
Thomas.....	Chesterfield	Savill, Charles A.....	Canton
Arthur.....	Neponset	Savill, Jesse.....	Modena
Charles.....	Cypress Junction	Scanlon, M. C.....	Canton
B.....	Catlin	Schaffer, William.....	Danville
Charles.....	Danville	Schmidt, August.....	Millstadt
James H.....	Equality	Schmidt, George.....	Millstadt
Wm.....	Danville	Schmidgall, Jno. L.....	Murphysboro
George.....	Winchester	Schneider, Joseph G.....	Pinckneyville
Wm.....	Soperville	Scholte, William.....	Kickapoo
William C.....	Modena	Schroeder, Fred C.....	Coal Valley
B.....	William	Schoitz, Fred.....	Braceville
Wm.....	Herrin	Schuster, John E.....	East Peoria
L.....	Glasford	Scott, John.....	Modena
Rad.....	Belleville	Scott, James.....	Wyoming
Thomas.....	Saline Mines	Scott, Frank.....	Danville
Frank.....	Wataga	Selbrick, J.....	Monmouth
Conrad.....	Blair	Sebek, John.....	Braidwood
Ob.....	Kewanee	Sellers, George.....	Winchester
ohn.....	Hudgens	Saffer, Henry.....	Peoria
H.....	Roodhouse	Sergeant, Frank.....	Belleville
James.....	Colchester	Schaffer, Michael.....	Ava
John.....	Eden	Shafer, Solomon.....	Summit
Wm.....	Streator	Shea, John G.....	Danville
Benjamin.....	Shelbyville	Sherbine, Abe.....	Macomb
L.....	Cuba	Sherrett, James.....	E. Peoria
n, John.....	Shelbyville	Shroeder, R. D.....	Pekin
n, William.....	Moro	Shelton, W. J.....	Cottage Grove
Thomas.....	Ottawa	Shepherd, Wm. A.....	Catlin
n C.....	Carbondale	Shore, William.....	Chandlerville
George.....	French Village	Silvis, S.....	Carbon Cliff
H.....	Peoria	Simmons, Alfred B.....	Roodhouse
dolph.....	Golden Eagle	Simons, William H.....	Monica
B.....	Breeds	Sincos, John.....	Alexis
hael.....	Braidwood	Simpson, Charles.....	Wataga
rus W.....	Mineral	Simpson, Newton M.....	Ray
ro.....	Atkinson	Simpson, Joseph.....	Youngstown
enjamin.....	Morris	Simpson, Gust. A.....	Onida
st H.....	Posterburg	Sitting, H. P.....	Stonefort
John H.....	Pinckneyville	Silment, James.....	Center Station
I. W.....	Glasford	Sloan, Miles B.....	Etherly
Benjamin.....	Wyoming	Smith, John.....	Atkinson
William.....	Colchester	Smith, A. J.....	Saline Mines
J. M.....	Elmira	Smith, Geo. W.....	Colchester
John W.....	Wyoming	Smith, James.....	Princeton
Robert.....	Wyoming	Smith, B. F.....	Modena
Walter.....	Mapleton	Smith, John.....	Frederick
William H.....	Macomb	Smith, Arthur.....	Vermont
van D.....	Streator	Smith, Thomas B.....	Streator
David.....	Orchard Mines	Smith, Thomas.....	Ottawa
Henry F.....	Modena	Smith, Charles.....	Spartan
Charles.....	Ipava	Smith, John.....	Danville
William.....	Ipava	Smith, Leonard.....	Atkinson
Wm.....	Gilchrist	Sornberger, John.....	Victoria
ank.....	Wataga	Sowter, Joseph.....	Streator
avid.....	Kickapoo	Spangler, H.....	Danville
		Spangler, Charles.....	Danville

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Sparks, Charles.....	Crab Orchard.....	Thomas, William.....	Streator.....
Sparks, Edgar.....	Astoria.....	Thomas, James.....	Danville.....
Spencer, Charles.....	Victoria.....	Thomas, George.....	Sheffield.....
Spiller, Henry.....	Herrin.....	Thomas, Samuel.....	Catlin.....
Spitzner, Jacob.....	Equality.....	Thurston, John H.....	Wyoming.....
Sponsler, Elmer.....	Carbondale.....	Tilley, Wm.....	Duquoin.....
Springman, Ed.....	Brighton.....	Tingley, Perry J.....	Vermont.....
Stader, W. H.....	Equality.....	Todd, Ralph.....	Kewanee.....
Starrick, A. J.....	Marion.....	Todd, Geo. B.....	Catlin.....
St. Clair, James A.....	Macomb.....	Todd, John.....	Victoria.....
Stevens, Isaac.....	Cuba.....	Toney, A.....	Grape Creek.....
Staton, Joseph.....	Pekin.....	Tompkins, C. B.....	Mineral.....
Sterling, R. H.....	New Athens.....	Tompkins, Harvey.....	St. David.....
Stevens, John.....	Cuba.....	Towner, L. H.....	Bluff City.....
Stewart, Wm.....	Colchester.....	Tracy, Edwin F.....	Beardstown.....
Steiner, Daniel F.....	Atkinson.....	Treasurer, William.....	Faxess.....
Stine, William.....	Danville.....	Tucker, Charles.....	Mineral.....
Stocker, Jacob F.....	Arensville.....	Tucker, Edward.....	East Peoria.....
Stoehr, Edward.....	Carbon Hill.....	Tucker, P. F.....	Whitehall.....
Stone, Isaac.....	Colchester.....	Tulk, M. B.....	Colchester.....
Stone, William.....	Colchester.....	Tully, P. F.....	Brimfield.....
Stone, Charles.....	Colchester.....	Turner, John.....	Lewistown.....
Stone, Thomas.....	Carbon Cliff.....	Turner, George.....	Lewistown.....
Stoneking, A. L.....	Pandon.....	Twiney, William A.....	Shelbyville.....
Stokey, Elijah.....	Colchester.....	Tygett, John.....	Carbondale.....
Storey, Harry.....	Tonlon.....	Tyler, Church.....	Wataga.....
Stout, M. J.....	Fairview.....	Tyson, Thomas.....	St. David.....
Straley, J. B.....	Canton.....		Marion.....
Straley, James H.....	Norris.....		
Straud, Charles.....	Roseville.....	Underwood, J. H.....	Equality.....
Stretch, William.....	Shelbyville.....		
Strehlinger, Conrad.....	French Village.....	Vandyke, William.....	Canton.....
Stricklin, Thomas A.....	Marion.....	Van Norman, Samuel P.....	Mapleton.....
Stroton, O. F.....	Rushville.....	Varner, Wilson.....	Marietta.....
Strong, Ralph.....	Pleasant View.....	Vaughn, Eliah.....	Jubilee.....
Strong, William.....	Junction.....	Vaughn, William.....	Jubilee.....
Strong, J. P.....	Shawneetown.....	Vaught, John H.....	Shawneetown.....
Stufflebeam, Marion.....	St. David.....	Vezain, George.....	Ottawa.....
Strand, William.....	Marion.....	Vice, Henry.....	Fairview.....
Suggert, William.....	Breda.....	Vickery, Henry.....	Pottstown.....
Summerson, John.....	Coal Valley.....	Vogt, Leon.....	Shawneetown.....
Summerson Robt.....	Coal Valley.....		
Suydam, John.....	Victoria.....	Wages, E.....	Canton.....
Swanson, Axel.....	Cable.....	Wagner, Louis M.....	Belleville.....
Swanson, Otto.....	Cable.....	Wagner, John W.....	Millstadt.....
Swanson, Andrew.....	Colchester.....	Walne, James.....	Atkinson.....
Swanson, John.....	Danville.....	Wainwright, Arthur.....	Sweetwater.....
Sydall, Peter.....	North Alton.....	Wahlburg, Albert.....	Knoxville.....
Swafford, William.....	Duquoin.....	Walck, Peter S.....	Farmington.....
Swan, Chas. W.....	Marion.....	Walker, James.....	Mapleton.....
Switzer, James.....	Astoria.....	Wallis, D. J.....	New Burnside.....
Switzer, Trumont.....	Danville.....	Walsh, John.....	Truro.....
		Walsh, John.....	Milan.....
Tarpley, W. S.....	Marion.....	Walton, A. W.....	Princeton.....
Tanner, Anderson.....	Ashlar.....	Ward, J. D.....	Pulley's Mill.....
Tattersoll, George.....	Renca.....	Watkins, W. J.....	Danville.....
Taylor, James.....	Belleville.....	Watts, Alexander.....	Paris.....
Taylor, Robert.....	Princeville.....	Watson, William.....	Wyoming.....
Taylor, Francis.....	Brandenburg.....	Watson, James.....	Cartersville.....
Taylor, Jno. S.....	Neponset.....	Wayland, James.....	Colchester.....
Taylor, J. W.....	New Burnside.....	Welmer, J. R.....	Cambridge.....
Teague, James.....	Winchester.....	Wearmouth, Thomas.....	Youngstown.....
Teel, James.....	Industry.....	Webster, T. J.....	Danville.....
Teifer, John K.....	Morris.....	Webster, William.....	Colchester.....
Teifer, John W.....	Morris.....	Webster, A. J.....	Danville.....
Tedale, Henry.....	Morris.....	Wellman, John N.....	Paris.....
Thomas, Lewis E.....	Danville.....	Weiss, W.....	Belleville.....
Thompson, Jacob.....	Grape Creek.....	Wells, E. W.....	Brier Bluff.....
Thompson, James F.....	Ray.....	Welford, T. H.....	Ashlar.....
Thompson, D. L.....	Marion.....	West, John C.....	Pine Grove.....
Thompson, Joseph.....	Etherly.....	West, John A.....	Pine Grove.....
Thompson, Joe.....	Grape Creek.....	Westerby, George.....	Farmington.....
Thom, Benjamin.....	Etherly.....		

ie Managers (Ten Men), Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
erlund, John.....	Streator	Wilson, George.....	Marion
len, M. Jr.....	Colchester	Wilson, Arthur.....	Carterville
elhouse, Samuel D..	Rushville	Willstead, Thomas.....	Rio
taker, Aaron.....	Roodhouse	Winchouse, W.....	Danville
e, Charles F.....	Danville	Wings, James.....	La Harpe
e, Charles.....	Wyoming	Wirming, Robert.....	Sato
e, M. C.....	Pawnee	Wisley, H. C.....	Vergennes
e, Henry.....	Elmwood	Wiseman, Ernst.....	Peoria
e, William J.....	Bartonville	Witt, John D.....	Paris
e, John A.....	Frederick	Wolf, Jacob.....	Danville
es, Fred.....	Canton	Wonderling, Henry.....	Lanville
nn, William E.....	Coal Valley.....	Wood, Benjamin.....	Pinckneyville ..
inson, M. C.....	Danville	Woodcock, William H...	Etherly
ox, Wilson.....	Astoria	Wood, Samuel.....	Saline Mines....
ins, Jefferson.....	Hedron	Woodbury, John.....	Green River.....
y, Hiram.....	S. Danville.....	Woodcock, Edward.....	Dunfermline ...
ams, Joseph.....	Mode	Woods, James.....	St. David.....
ams, Andrew.....	N. Alton.....	Woodard, John.....	Oakwood
ams, James F.....	Kewanee	WWoodward, W.....	Soperville
ams, Jerome.....	Tiskilwa	Woodward, Frederic...	Fairmount
ams, Joseph.....	Pre-emption	Wonders, Henry.....	Streator
ams, W. J.....	Colchester	Worthington, H.....	Streator
ams, W. P.....	Laoc	Wren, T. K.....	Morris
ams, Oren.....	Tiskilwa	Wright, Joseph.....	Fairbury
ams, Daniel.....	Rapatee	Wright, Hiram.....	Danville
ams, Alfred.....	Boden	Wytcherley, Ed.....	Peoria
erson, J. F.....	Grape Creek....		
s, Alex.....	Oraville	Yerman, Timothy.....	Cuba
s, Charles.....	Mapleton	Young, John A.....	Carterville
on, George.....	West Jersey	Young, S. J.....	Griffin
on, John.....	Colchester		
on, M. H.....	Duquoin	Zetter, Albert.....	Freeburg
on, A. E.....	Macomb	Zink, G. W.....	Peoria
on, Thomas E.....	Blandinsville ...	Zah, John.....	Mt. Pulaski.....
on, Joseph.....	Swan Creek.....		
on, Anthony.....	Danville		

HOISTING ENGINEERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE--This list includes all the hoisting engineers to whom certificates have been issued prior to Jan. 1, 1907.

Name.	Postoffice.	Name.	Postoffice.
Abcock, C. F.	Nilwood	Balser, Henry	Springfield
Ablen, Henry	Breese	Balsmith, Edward	Assumption
Adams, Nelson	Lincoln	Barnhill, H. G.	Kiamundy
Adams, William H.	Braidwood	Barnhill, Oscar B.	Herrin
Ainsworth, Samuel, Jr.	Taylorville	Barber, C. E.	Duquoin
Aitken, T. G.	Tilden	Barber, C. W.	Duquoin
Aitken, J. S.	Tilden	Barber, William G.	Tilden
Alexander, Henry	Oglesby	Barr, Frank	Centralia
Alexander, W. A.	Roseboro	Bartram, Perry	Ladd
Allan, Edward	Collinsville	Barton, C. W.	Cable
Allan, Joseph	Collinsville	Barton, Charles W.	Fairmount
Allen, David	Collinsville	Bateman, Harry	Murphysboro
Allen, C. E.	Troy	Bateman, R.	Murphysboro
Allen, C. H.	Seneca	Bates, Thomas W.	Winchester
Allgood, William	Springfield	Bath, Ameston	Cuba
Altman, H. P.	Collinsville	Barwick, Charles	Cartersville
Anderson, Henry	Lincoln	Baumgartner, George J.	Edwardsville
Anderson, J. F.	Pinckneyville	Beard, Charles A.	Streator
Anderson, W. C.	Elmwood	Beatty, James H.	Mascoutah
Anderson, Norman A.	Princeville	Beatty, George W.	Mascoutah
Anderson, Z. B.	Sparta	Beatty, Nepha	Mascoutah
Anderson, Charles E.	Belleville	Beck, Peter L.	Springfield
Andrews, Solomon	Girard	Becker, Fritz	Mt. Olive
Anthony, John C.	Belleville	Becker, F. M.	Sandoval
Appleby, John	East Peoria	Beharelle, Alfred	Mapleton
Appleton, Thomas	Virden	Behrend, A. D.	Springfield
Archer, Joseph	Barclay	Beeby, William	Springfield
Archibald, David	Freeburg	Beese, John E., Jr.	Belleville
Armentrout, Martin	Duncan	Beese, Charles H.	Belleville
Armstrong, W. B.	Harrisburg	Bell, Chris.	Sherrard
Armstrong, C.	Muncie	Bell, Mark	Danville
Armstrong, William C.	Marion	Bell, Frank	Tallula
Arterberry, Albert	Cartersville	Belt, W. H.	Centralia
Ashcraft, Charles C.	Pana	Belts, Joseph E.	Belleville
Ashman, Joseph L.	Murphysboro	Beltz, J. L.	Eldorado
Ashman, Joseph	Murphysboro	Beltz, A.	Equality
Atkin, Robert R.	Tilden	Bennett, William	Staunton
Atwater, Stephen	Clark City	Bennight, J. E.	Pawnee
Aughton, Robert H.	Lincoln	Bently, George	Springfield
Averill, C. P.	Colchester	Benton, Poolle R.	Herrin
Avery, William	Lenz Station	Benvenuto, Charles	Dawson
Ax, Henry	Edwardsville	Berens, Peter H.	Coal City
		Berg, John	Mt. Olive
Bailey, James F.	Westville	Berkley, N. T.	Cuba
Balwir, John	Braidwood	Bertin, Henry	Pana
Bailey, Robert	Sunfield	Bickerstoff, A. H.	Eldorado
Baird, Robert	Sparta	Bienert, J. O.	Spaulding
Baker, Darius N.	Spillertown	Bigelow, A. E.	Spaulding
Baker, F.	Springfield	Bigelow, George F.	Spaulding
Baker, James E.	Westville	Biggs, W. A.	Herrin
Baker, C. H.	Fairmount	Birzele, Jacob	Girard
		Blake, Albert	Streator

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
an, Ben.	Dawson	Bullock, George R.	Cartersville
Charles F.	Niantic	Bumgarner, Ross	Ledford
George.	Streator	Burke, Robert	Oakwood
esse.	Norris	Burrell, G. K.	Farmington
James A.	Troy	Burrows, William	Williamsville
erg, Albert	Sherrard	Butcher, Thomas	Murphysboro
Joseph M.	Kewanee	Butcher, Hansel	Georgetown
J.	Gilchrist	Butt, Thomas R.	Litchfield
er, Alfred	Fresburg	Byrne, Michael	LaSalle
Dow J.	Kewanee		
E. W.	Galva		
G. W.	Galva		
Henry H.	Mt. Olive	Cagle, Alfred	Marion
ler, Edward	Pekin	Cain, Daniel	Ridgley
Mark	Gilchrist	Cain, Daniel P.	Ridgley
ver, Joseph	Duquoin	Cain, John	Ridgley
John, Jr.	Danville	Callier, Isaac	Pottstown
A. H.	Collisla	Callier, George H.	Peoria
id, W. P.	Coal City	Cameron, Daniel	Pana
Vaughn	Princeville	Camp, John R.	Westville
James Franklin	Germanatown	Campbell, A.	Peoria
Frank L.	Odin	Campbell, Fred	Sorento
is, Wade	Athens	Campbell, T.	Coal City
k, George	Farmington	Campbell, W. J.	Coal City
William H.	Murphysboro	Campbell, William T.	Cable
William	Dunfermline	Cantrell, H. T.	Farmington
L. R.	Marion	Carlson, Alexander	Galva
William	Auburn	Carmichael, Thomas	Springfield
ley, B.	Palsley	Carmichael, John	Berlin
Leonard	Belleville	Carpenter, Charles	Girard
Archibald	Marion	Carpenter, James T.	Oakwood
Alex.	Kangley	Carr, Robert H.	Freeburg
ry, R. D.	Carbondale	Carrier, M. E.	Carrier Mills
urg, F.	Belleville	Carrington, Eugene	Moweaqua
Simon	Edwardsville	Carsell, Hugh	Moweaqua
Ellt, G.	Pekin	Carter, Albert J.	Cutler
d, Herman	Mt. Vernon	Carter, Roy	Barclay
William P.	Viriden	Carter, W. E.	Barclay
iy, Kenneth	Herrin	Castleman, William F.	Springfield
James G.	Peoria	Carter, Charles H.	Barclay
B. R.	Centralia	Carter, Ernest	Glen Carbon
d, Newton	Cartersville	Catlin, Horace W.	Harrisburg
Anton	Germanatown	Caudle, James F.	Sorento
Matt.	Belleville	Caulk, Arthur	Sorento
u, Robert	Tamaroa	Cearling, Samuel A.	Springfield
ck, James	Braidwood	Chambers, G. W.	Nokomis
y, Charles	Coal City	Chance, Jesse, Jr.	Farmington
y, George, Sr.	Catlin	Chapman, J. B.	Petersburg
ry, George, Jr.	Kellyville	Chapman, William H.	Rollsboro
ton, George C.	Coffeen	Charles, Thomas	Coal City
David	Mt. Pulaski	Charneckey, Walter	Spring Valley
George A.	Ites Junction	Charpenter, Joseph	Braidwood
H. L.	Duquoin	Chesney, O.	Breese
James A.	Springfield	Chester, David	Springfield
Thomas	Moweaqua	Chew, Oliver	Sato
William F.	Pontiac	Chew, B. R.	Carlinville
William H.	Duquoin	Chitwood, William H.	Catlin
Edward E.	Sparta	Choriton, Thomas	Birkner
William	Murphysboro	Church, Van L.	Duquoin
Marion	Taylorville	Church, William	Marissa
Lindolph	Marion	Christ, Philip	Wenona
s. John W.	Pawnee	Clark, Corey	Coal City
emann, Michael A.	Belleville	Clark, Harvey	Westville
man, George	Nashville	Clark, Christopher	Decatur
James	Athens	Clark, C. C.	Girard
, Calvin W.	Spartan	Clark, C. N.	Duquoin
George	Belleville	Clark, John	Marquette
lge, J. W.	Brereton	Clark, John R.	Viriden
i, Charles E.	Greenview	Clark, John	Viriden
Riley M.	DeSoto	Clark, Quintin	Braidwood
lder, Oliver W.	Dewmaine	Clark, Henry L.	Petersburg
on, Aaron	Percy	Claudin, Josh	Pekin
Chauncey	Coulterville	Clayton, William	Collinsville
, William	Collinsville	Clayton, D. J.	Johnson City
		Clickner, C. S.	Witt

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Clifford, Michael.....	Kewanee.....	Davis, Frank.....	St. John.....
Clifton, William H.....	Sparland.....	Davis, James A.....	Hillsboro.....
Cline, John.....	LaSalle.....	Davis, Charles W.....	Edinburg.....
Clink, Charles.....	Springfield.....	Davis, Jackson.....	Athens.....
Coan, James.....	Westville.....	Davis, E. E.....	Auburn.....
Coatney, Grant.....	Fairmount.....	Davis, Frank.....	Lincoln.....
Coburn, W. A.....	Princeville.....	Davis, Harry J.....	Duquoin.....
Collinton, Charles.....	Belleville.....	Davis, James P.....	Belleville.....
Collingwood, William.....	Greenville.....	Davis, John W.....	Lake Creek.....
Collingwood, Albert E.....	Springfield.....	Davis, John.....	Belleville.....
Collins, Walter.....	Mt. Vernon.....	Davis, L. D.....	Coffeen.....
Collins, John.....	Birkner.....	Davis, Thomas.....	Belleville.....
Colton, George C.....	Carterville.....	Davis, Hardin.....	Elkdarado.....
Colwell, W. P.....	Canton.....	Davis, William H.....	Fairbury.....
Compton, James.....	Colfax.....	Davis, Charles A.....	Belleville.....
Compton, Stephen B.....	Sorento.....	Davison, John G.....	St. John.....
Conley, John.....	Streator.....	Davison, Joseph.....	Bherrard.....
Conley, Clarence.....	Herrin.....	Dawson, Van C.....	Spring Valley.....
Connelly, J. J.....	Murphysboro.....	Dawson, John C.....	Streator.....
Conway, John.....	Collinsville.....	Day, James.....	Peoria.....
Conway, Michael.....	Ladd.....	Day, Benjamin W.....	Peoria.....
Cook, G. E.....	Hallidayboro.....	Deans, Robert.....	Belleville.....
Cook, John.....	Peoria.....	Deaton, L. B.....	Palmdale.....
Cook, William D.....	Westville.....	Deaton, William S.....	Greenville.....
Cook, Tom.....	Duquoin.....	DeBacher, Thomas.....	Elmwood.....
Cook, John.....	Elkville.....	Decker, William.....	Oglesby.....
Cooper, J. H.....	Nilwood.....	Dee, Henry.....	Glen Carbon.....
Corbett, Charles.....	Divernon.....	DeJarnett, Thomas.....	Mt. Vernon.....
Cornelius, Richard.....	Fairmount.....	Delmore, Frank.....	Springfield.....
Cottle, Elmer.....	Buffalo.....	Delapp, Robert E.....	Williamsville.....
Cotton, George.....	Hallidayboro.....	Delorey, William.....	Westville.....
Cox, John.....	Ledford.....	Dempsey, Columbus.....	Harrisburg.....
Cox, William.....	Rutland.....	Dent, Will.....	Diamond.....
Craddock, Robert.....	Auburn.....	Denton, Fred.....	Petersburg.....
Craft, George.....	Kangley.....	Derrington, Walter.....	Herrin.....
Craig, Daniel G.....	Danville.....	Denton, O. N.....	Coffeen.....
Craig, Daniel.....	Danville.....	Denton, William.....	Petersburg.....
Crenshaw, D. B.....	Harrisburg.....	Derrington, Clark.....	Herrin.....
Crenshaw, J.....	Marion.....	Devlin, Francis.....	Clark City.....
Crews, Jesse.....	Hallidayboro.....	Dick, Robert.....	Sunfield.....
Crinigan, Barney.....	LaSalle.....	Dillon, John.....	Auburn.....
Crofts, James.....	Cardiff.....	Dillon, William.....	Auburn.....
Croker, Edward.....	Marquette.....	Dixon, Frederick W.....	Springfield.....
Crouch, Millard F.....	Nilwood.....	Dixon, George.....	Wenona.....
Cryder, James F.....	Divernon.....	Dodd, Samuel H.....	Pottstown.....
Cruickshanks, Robert.....	Middle Grove.....	Dodwell, Edward.....	Decatur.....
Cruickshanks, John.....	East Peoria.....	Donaldson, James.....	Kangley.....
Cruickshanks, William A.....	East Peoria.....	Doolin, E. W.....	Pontiac.....
Cruthers, Zina B.....	Taylorville.....	Doughring, Fred.....	Mt. Olive.....
Cummings, George.....	Pana.....	Douck, John.....	LaSalle.....
Cumming, George A. P.....	Gardner.....	Donaldson, J. W., Jr.....	Dunfermline.....
Cumming, George P.....	Sparland.....	Donnelly, J.....	Springfield.....
Cummings, Robert W.....	Sparta.....	Doolin, E. J.....	Pontiac.....
Cunningham, William.....	Swanwick.....	Dougherty, Joseph.....	Taylorville.....
Cutler, Frank H.....	Princeville.....	Dove, C. W.....	Glen Carbon.....
Cutler, Scott.....	Duquoin.....	Dowles, Fritz C.....	Breese.....
		Dowler, John.....	Auburn.....
Daenner, Anton.....	Glen Carbon.....	Dowling, Ira F.....	Springfield.....
Dohm, John, Jr.....	Belleville.....	Downing, Robert D.....	Bartonville.....
Dalhour, Frank C.....	Staunton.....	Downes, J. L.....	Johnson City.....
Dalton, Isaac.....	Yates City.....	Downs, L.....	Cuba.....
Daly, Thomas.....	Diamond.....	Driachel, Fred W.....	Taylorville.....
Dana, John W.....	Springfield.....	Drake, William.....	Streator.....
Daniel, James.....	Belleville.....	Dray, John.....	Troy.....
Daniels, Joel.....	Belleville.....	Drennan, L. H.....	Blue Mound.....
Dankins, Thomas J.....	Braceville.....	Duffy, Glenn E.....	Collinsville.....
Darmstadter, William.....	New Athens.....	Dugg, B. A.....	Collinsville.....
Dave, R. J.....	Glen Carbon.....	Duncan, J. R.....	LaSalle.....
Davenport, George.....	Harrisburg.....	Dunlap, Bert.....	Nokomis.....
Davenport, Thomas.....	Harrisburg.....	Dunn, L. A.....	Duquoin.....
Davis, B. D.....	Coffeen.....	Dunn, William L.....	Clark City.....
Davis, Carl.....	St. John.....	Dunamore, Thomas.....	Springfield.....
Davis, Cyrus.....	Marion.....	Dunstedler, William B.....	Edwardsville.....
Davis, C. E.....	Divernon.....	Durham, James D.....	Lake Creek.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
George.....	Glen Carbon.....	Fortney, John W.....	Kilmundy.....
Harry.....	Duquoin.....	Foster, Albert.....	Elmwood.....
		Foster, A. J.....	Litchfield.....
Henry B.....	Hillsboro.....	Fox, Frank L.....	Assumption.....
H.....	Taylorville.....	Fox, Fred.....	Middle Grove.....
A. C.....	Duquoin.....	Fox, William.....	Taylorville.....
Robert.....	Sunfield.....	Fox, James B.....	LaSalle.....
George.....	Williamville.....	Fox, Arthur.....	Springfield.....
rn, John.....	Streator.....	Fox, Thomas.....	Lincoln.....
Melvin.....	Athens.....	Frain, Austin.....	Ridge Prairie.....
Evermont.....	Athens.....	Frankland, Tim.....	Streator.....
n, G. A.....	Girard.....	Freeman, M. F.....	Shelbyville.....
la, George W.....	Springfield.....	Freeman, E. F.....	Duquoin.....
Alexander C.....	Marissa.....	Frick, U. B.....	Lake Creek.....
Clarence.....	Bryant.....	Friend, J. W.....	Collinsville.....
H. H.....	Centralia.....	Frier, Jacob.....	Ormsby.....
la, Thomas.....	Spring Valley.....	Friend, E. A.....	Collinsville.....
Daniel B.....	Springfield.....	Friend, William L.....	Collinsville.....
Henry.....	Ridgely.....	Friesland, O. M.....	Salisbury.....
Ransom B.....	Farmington.....	Fritz, Gustav.....	Breese.....
Albert.....	Cable.....	Fritz, William.....	Lebanon.....
dorf, E.....	Belleville.....	Fry, D. W.....	Clark City.....
, V. M.....	Coffeen.....	Frye, William S.....	Coal City.....
H. W.....	Greenville.....	Ferguson, S. P.....	Strasburg.....
l, Thomas.....	Streator.....	Fuller, John S.....	Springfield.....
n, Jacob D.....	Niantic.....	Fuston, D. H.....	Murphysboro.....
n, Jesse.....	Niantic.....		
W. B.....	Danville.....	Gahl, Fred T.....	St. John.....
Albert.....	Glen Carbon.....	Gallagher, George.....	Lebanon.....
Roderick B.....	Girard.....	Galutia, C. M.....	Carterville.....
Thomas.....	Spaulding.....	Garrett, Bert.....	Moweaqua.....
C. L.....	Virden.....	Gambier, H. H.....	Ziegler.....
Price.....	Bissell.....	Gandy, James W.....	Peoria.....
W. E.....	Danville.....	Gaskins, Asa.....	Harrisburg.....
William L.....	Eldorado.....	Gately, Bernard.....	Diamond.....
John C.....	Canton.....	Gately, James.....	Seatonville.....
l, Frank.....	Spring Valley.....	Gasnell, George W.....	Herrin.....
n, Henry.....	Coulterville.....	Gately, Albert.....	Granville.....
David.....	Duquoin.....	Gates, William S.....	Kankakee.....
		Gallagher, Peter.....	Clark City.....
A.....	Braceville.....	Gaugham, James.....	Braidwood.....
John.....	Decatur.....	Geer, Benjamin H.....	Wolcott.....
stein, George A.....	Astoria.....	Geer, U. S.....	Peekin.....
, Richard.....	Glen Carbon.....	Geer, Chauncey N.....	Wolcott.....
, Frank.....	Bloomington.....	Galmour, Allen.....	Diamond.....
James.....	Riverton.....	Gelshek, Mathew.....	Springfield.....
d. L. C.....	Springfield.....	Gerner, Fred.....	Danville.....
ohn B.....	Murphysboro.....	Gerjetta, Harry.....	Athens.....
, M. H.....	Streator.....	Geyer, J. A.....	Wanlock.....
on, J. B.....	Duquoin.....	Gibson, John.....	Randoval.....
on, John J.....	Spring Valley.....	Gibson, J. W.....	Sherrard.....
, Edward.....	Barclay.....	Gibson, Henry.....	Coal City.....
W. H.....	Warranette.....	Gierden, William.....	Pinckneyville.....
Berton.....	Wimwood.....	Gilchrist, H. M.....	Gilchrist.....
am, J. A.....	Canton.....	Gilmore, J. E.....	Hillsboro.....
an, Thomas J.....	Springfield.....	Gibson, R. W.....	Danville.....
n, William H.....	Springfield.....	Girfen, Henry.....	Troy.....
William B.....	Cutler.....	Glacken, Hugh.....	Coal City.....
r, Phillip.....	Lansburg.....	Gladdens, William.....	Coal City.....
George.....	Stanton.....	Gladson, E.....	Duquoin.....
Patrick.....	Kanelev.....	Gladson, F.....	Duquoin.....
Charles.....	Carterville.....	Glass, Reuben.....	Edwardsville.....
mons, Maurice.....	Pern.....	Gleischman, Herman.....	Collinsville.....
r, A.....	Taylorville.....	Glennon, Philip.....	Williamsville.....
r, O.....	Clay City.....	Glennon, John.....	Riverton.....
er, Henry A.....	Clay City.....	Glover, Frederick.....	Peoria.....
et, I. W.....	Springfield.....	Goalby, Arthur A.....	Percy.....
on, Andrew.....	Central City.....	Goalby, B. F.....	Percy.....
Charles.....	Westville.....	Goalby, Frank H.....	Stockey.....
William.....	Westville.....	Goalby, W. A.....	Belleville.....
er, Robert.....	Murphysboro.....	Goddard, William H.....	Spillertown.....
er, William.....	Murphysboro.....	Goddard, W. L.....	Lake Creek.....
		Goforth, William.....	Pana.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Gollither, H.....	Herrin	Haddicks, Frederick H..	Cable
Gordon, E. J.....	Petersburg	Happer, Frank.....	Edwardsville
Gordon, Alex B.....	O'Fallon	Harding, Enos.....	Birkner
Gorham, A. B.....	Lincoln	Hardy, Warren.....	Pawnee
Gorman, J.....	New Douglas...	Harms, Helke.....	Petersburg
Gottschalk, Fred.....	Springfield	Harper, Oscar.....	Lebanon
Gould, George.....	Sato	Hardy, Thomas.....	Springfield
Gowin, Curtis.....	Green Ridge.....	Hardy, Thomas W.....	Dawson
Gowin, Frank.....	Green Ridge.....	Harms, Will J.....	Petersburg
Grace, John T.....	Kewanee	Harmon, M. W.....	Oglesby
Graham, L. A.....	Bloomington	Harner, Elmer.....	Decatur
Graham, William.....	Springfield	Harris, J. W.....	Springfield
Graden, Orville B.....	Taylorville	Harris, W. C.....	Nilwood
Graham, Reuben.....	Virdeu	Harrison, Floyd.....	Salem
Grant, Lewis.....	Pekin	Harrison, John, Jr.....	Coulterville
Gray, Thomas.....	Springfield	Harrop, Horace W.....	Farmington
Gray, Charles H.....	Springfield	Hartley, Joseph H.....	Coal City.....
Greaves, Walter.....	Ladd	Hartman, Frank.....	Murphysboro...
Green, Joseph.....	Canton	Hartman, John F.....	Murphysboro...
Green, Daniel.....	Braidwood	Hartwell, A. Lincoln...	Marion
Green, Roy.....	Wilmington	Hartwell, J.....	Marion
Green, R. A.....	Coffeen	Hartwell, Roy.....	Marion
Green, Thomas.....	Marissa	Harvey, M. F.....	Duquoin
Green, William H.....	Streator	Hartman, W. H.....	Coulterville
Greenhalgh, James.....	Hillsboro	Harvey, William R.....	Wanlock
Greenhalgh, William.....	Hillsboro	Haughnant, John D....	Spring Valley...
Greenman, Martin.....	Pontiac	Havel, Joseph.....	French Village..
Greener, George.....	Greenville	Hawker, J. O.....	Pana
Grierson, John.....	Streator	Haworth, William.....	Sandoval
Grimmett, Charles C....	Girard	Hayes, Arthur H.....	Danville
Grice, Albert.....	Kewanee	Hayes, Earle.....	Danville
Grieves, David.....	Birkner	Hayes, James.....	Bloomington
Grieves, James.....	Birkner	Hayler, George L.....	Murphysboro...
Griffin, John O.....	Kewanee	Head, John S.....	Assumption
Groom, Alexander.....	Belleville	Heckman, Sol.....	Coffeen
Groom, John, Sr.....	Belleville	Heffron, William.....	Riverton
Groom, James.....	Belleville	Heldinger, F. C.....	Mt. Olive.....
Groom, Willim.....	Belleville	Heilgeist, Bruno.....	Spring Valley...
Groom, John.....	Belleville	Hendrick, C. W.....	O'Fallon
Groover, Harmon M.....	Canton	Hennegan, John F.....	Wanlock
Grubb, Michael.....	Riverton	Henry, Philip.....	Kewanee
Geistdorfer, Fred.....	DeSoto	Henry, John J.....	Greenville
Guppy, Edgar.....	Bartonville	Heppard, George.....	Belleville
Guy, D. F.....	Springfield	Herder, Walter.....	Edwardsville
Gurick, Howard.....	Litchfield	Herman, John.....	Belleville
Gurick, L. E.....	Litchfield	Herring, George P.....	Odin
Guthrie, T. E. B.....	Marissa	Herring, J. P.....	Staunton
		Hershaw, A. F.....	Abingdon
		Heskitt, John.....	Ridgely
Hackett, Owen.....	Spaulding	Hess, Edward B.....	Morrisonville ..
Haddick, William L.....	Sherrard	Henblin, Walter H.....	Greenville
Haensel, Herman.....	Lenzburg	Higbee, Lawrence.....	Wyoming
Haensel, Edward.....	Lenzburg	Hilliard, James.....	St. David.....
Haensel, David.....	Lenzburg	Hilliard, Frank.....	St. David.....
Hagler, Charles.....	Fredonia	Hillery, John.....	Dunfermline
Hale, William T.....	Troy	Hill, C. C.....	Marissa
Hale, James.....	Dunfermline	Hill, C. W.....	Pontiac
Haley, Edward.....	Kinmundy	Hill, Emberson.....	Westville
Hall, G. R.....	Colchester	Hilliard, George.....	St. David.....
Hall, G. R.....	Nilwood	Hilmes, Henry.....	Astoria
Hamilton, Thomas.....	Murphysboro...	Hines, P.....	Toluca
Hamilton, Charles E....	Canton	Hindman, Milo.....	Herrin
Hamilton, James H.....	Sparland	Hobbs, Francis E.....	Centralia
Hampton, N. R.....	Murphysboro...	Hodgson, Edward.....	Murphysboro...
Hand, P. L.....	Peoria	Hodson, Moses.....	Smithboro
Hanvey, John.....	Collinsville	Hodson, John.....	Taylorville
Handle, Ledlie.....	Taylorville	Hoecker, Charles.....	Glen Carbon...
Hanenstein, J. W.....	Willisville	Hogan, Frank.....	Springfield
Hanes, W. J.....	Salem	Holland, Arthur J.....	Mt. Olive.....
Hankins, John W.....	Sorento	Holland, Miner.....	Carterville
Hanson, William.....	O'Fallon	Holtkamp, George.....	Breese
Hanvey, John J.....	Collinsville	Holzer, A. Eugene.....	Mt. Olive.....
Hanvey, Robert.....	Collinsville	Hooper, George.....	Glen Carbon...
Hanvey, William.....	Collinsville	Hooper, H. H.....	Gillespie

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
G.	Glen Carbon	Johnston, Thomas B.	Freeburg
Shelby	Carlisle	Jones, George	Belleville
R. L.	Harrisburg	Jones, David H.	Murphysboro
William T.	Hornby	Jones, Henry E.	Staunton
Roy	Taylorville	Jones, John P.	Marissa
Alvin	Toluca	Jones, Jonathan, Jr.	Marissa
er, J.	Freeburg	Jones, Vernal L.	Barclay
C. O.	St. John	Jones, Jonathan, Sr.	Marissa
S. J.	Hanna City	Jones, Joseph	Staunton
Charles	Streator	Jones, Logan	Marissa
George	Blairsville	Jones, Felix B.	Barclay
R. J.	Viola	Jones, Thomas	Muncie
I. G. W.	Springfield	Jones, William	Marissa
I. L. W.	Springfield	Jones, William	Braceville
	Canton	Jones, John	Grape Creek
a, R. D.	Streator	Jones, James W.	Pana
William	Murphysboro	Jones, John	Marissa
J. A.	Streator	Jones, R. T.	Kewanee
William A.	Springfield	Jordan, Robert	Streator
F. E.	Johnston City	Joseph, Maynard	Troy
John C.	Springfield	Jordan, John E.	Bessemer
B. B.	Greenview	Judd, Charles E.	Edwardsville
	Murphysboro		
ll, John	Lincoln	Kalebaugh, Clinton H.	Astoria
ey, Charles	Edinburg	Kalons, Frank	Glen Carbon
ey, W. F.	Edinburg	Karnes, George E.	Galatia
Robert	Sparta	Karney, Emory O.	Hallidayboro
J. Jacob	Springfield	Kasselman, Frank H.	Worden
		Keating, Edward F.	Streator
Andrew C.	Murphysboro	Keating, Richard	Streator
William A.	Duquoin	Keller, William	Eldorado
orge M.	Marion	Kelley, James D.	Carbon Hill
Oris W.	Glen Carbon	Kelly, Martin	Toluca
George	Glen Carbon	Kelley, Robert D.	Carbon Hill
A.	Glen Carbon	Kelly, Charles	Streator
Alvin	Gillespie	Kelly, N.	Petersburg
Byron	Pana	Kelly, George	Worden
John	Gillespie	Kelly, Richard V.	Cantrall
Robert K.	Pontiac	Kemper, Christian	Belleville
George	Roseboro	Kenady, Fred A.	Cambridge
Charles	Sparta	Kenady, Perry	Cambridge
Henry M.	Belleville	Kennedy, W. J.	Edwardsville
		Kearney, John	Peoria
L. William	Minonk	Kerchner, Howard	Belleville
George B.	Elmwood	Kerchner, John	Belleville
James M.	Moweaqua	Kerna, Samuel J.	Springfield
James M.	Streator	Kessick, Charles W.	Decatur
J. P.	Bartonville	Kester, Charles E.	Raymond
William	Murphysboro	Kidd, Alonzo	Fairmount
W. Sr.	Peoria	Kilbride, T. C.	Farmington
a, John	Petersburg	Killinger, C.	Collinsville
Richard, Jr.	Cuba	Killinger, Harry	German town
James	Marissa	Killinger, John	Collinsville
John	Belleville	Kimball, Joel L.	Hillsboro
John L.	Danville	Kimber, John	Iadd
T. E.	Athens	Kinder, Nelson	Pray
William	Bloomington	King, John	Carterville
Thomas	Vir den	Kingerfus, William	Belleville
a, James J.	Taylorville	Kinghom, John	Staunton
a, John W.	Duquoin	King, Alexander, Sr.	Carterville
a, J. S.	Birkner	King, Alexander, Jr.	Carterville
a, Robert	Pawnee	King, L. B.	Smithboro
a, S.	St. John	King, Charles	Collinsville
a, W. C.	Marion	Kincannon, John	St. John
a, William H.	Soperville	Kirby, Thomas, Jr.	Peru
a, William L.	Spring Valley	Kirchner, Frank	Belleville
a, Elijah W.	Marissa	Klaus, Louis	Belleville
a, Harmon	Middletown	Klein, George	Gillespie
on, Joseph R.	Pontiac	Klingensfus, Edward	Belleville
a, Jerry	Middletown	Klinkner, Frank	Colfax
na, Thomas	Pontiac	Knapp, Enos	Assumption
		Koenig, George	LaSalle
		Roombs, James	Marion

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Kossleck, George.....	Decatur.....	Mair, Max.....	Lebanon.....
Krully, Andrew.....	Braceville.....	Malcolm, William J.....	Braceville.....
Kuhn, Fred A.....	Trenton.....	Maltby, Edward.....	Braidwood.....
		McAddams, John W.....	Percy.....
		McAllister, Thomas.....	Hallidayboro.....
Lamb, William E.....	Coal City.....	McCann, David.....	Lincoln.....
Lambert, George W.....	LaSalle.....	McCarthy, John.....	Lincoln.....
Lambert, William.....	Middletown.....	McCartney, C. F.....	Alexis.....
Lanc, Charles C.....	Farmington.....	McCauley, Aaron.....	Streator.....
Landers, John.....	Stanton.....	McClelland, A. J.....	Cuba.....
Langham, John W.....	Danville.....	McConachie, Ed.....	Auburn.....
Larkin, James G.....	Athens.....	McCormack, James J.....	Springfield.....
Larkin, William.....	Taylorville.....	McCulley, G. L.....	Pawnee.....
Lapphery, Jonathan P.....	Carbon Cliff.....	McCurdy, J.....	Assumption.....
Lavallier, U. B.....	Chenoa.....	McDonald, John.....	Taylorville.....
Lawson, George.....	Cable.....	McDonald, W. H.....	Springfield.....
Layne, J. W.....	DeSoto.....	McDonald, William J.....	Pana.....
Leske, William.....	Minonk.....	McDonald, Peter G.....	Percy.....
Ledbetter, George.....	Boreto.....	McDonald, Frank R.....	Carbon Hill.....
Lee, Robert E.....	Sherrard.....	McFarland, F. E.....	Athens.....
Leek, Carroll.....	Hallidayboro.....	McGarry, William.....	Murphysboro.....
Leeper, C. W.....	Equality.....	McGee, G. W.....	Ladd.....
Lehman, Phillip.....	Lebanon.....	McGittigan, Thomas.....	Cartersville.....
Lemons, J. L.....	Girard.....	McGowan, Edward.....	Pana.....
Leslie, G. Lutton.....	Rutland.....	McGowan, J. R.....	Lincoln.....
Leslie, George.....	Gardner.....	McIntyre, A. D.....	Herrins Prairie.....
Leslie, N. B.....	Braidwood.....	McIntyre, Andrew.....	Sparta.....
Lewis, Richard W.....	Gillespie.....	McKean, John.....	Coal City.....
Lewis, Alvan.....	Catlin.....	McKean, Isaac.....	Carbon Hill.....
Lewis, Clayton.....	Carriers Mills.....	McKearnan, J. B.....	Coal City.....
Lewis, James.....	Canton.....	McKee, C. L.....	Athens.....
Lewasick, John.....	Springfield.....	McKeeman, John.....	Lake Creek.....
Lindsey, J.....	Oglesby.....	McLauchlan, F. T.....	Belleville.....
Lewis, Spiller D.....	Marion.....	McLaughlin, George.....	Carbon Hill.....
Lipscomb, Arthur.....	Breese.....	McLean, J.....	Carbon Hill.....
Lindskey, Martin E.....	Streator.....	McIntire, Martin S.....	Pleasant Plains.....
Lindstrom, Oscar.....	Sherrard.....	McMillin, W. M.....	Sparta.....
Liner, John.....	Oglesby.....	McMorty, P.....	Danville.....
Linsky, James.....	Braidwood.....	McNeil, Albert.....	Virden.....
Linsky, Patrick J.....	Braidwood.....	McPherson, James.....	Mt. Vernon.....
Little, G. E.....	Edwardsville.....	McQuade, J.....	Murphysboro.....
Little, Peter.....	Peoria.....	McNeil, S.....	Clark City.....
Little, Thomas.....	Murphysboro.....	McNutt, T. C.....	Coniterville.....
Little, Harry.....	Herrin.....	McVey, Frank W.....	Taylorville.....
Lockhart, Lewis.....	Niantic.....	McVicar, Donald.....	Roanoke.....
Lockie, G. O.....	Cartersville.....	Marland, William.....	LaSalle.....
Lockie, William.....	Cartersville.....	McWilliams, Harry.....	Stanton.....
Loding, Charles A.....	Loding.....	Marland, James.....	Belleville.....
Loebel, Frank.....	Trenton.....	Marland, William.....	Wenona.....
Loeffler, Adolph A.....	O'Fallon.....	Marie, John E.....	Spartan.....
Long Noah B.....	Pontiac.....	Marshall, Robert.....	Pottstown.....
Long, Edward.....	Norris.....	Martin, Benjamin.....	Murphysboro.....
Longerbon, L. T.....	Cantrall.....	Martin, N. W.....	Polina.....
Lozin, P.....	Lincoln.....	Marker, Lewis J.....	Marion.....
Lucht, M. F.....	Mt. Olive.....	Marker, William J.....	Millstadt.....
Lucey, Michael.....	Ridgley.....	Masie, J. T.....	Millstadt.....
Lundeen, Frank W.....	Galva.....	Mason, E.....	Belleville.....
Lundy, J. P.....	Mt. Pleasant.....	Mathis, Charles.....	Winchester.....
Lundley, Ralph.....	Ridge Prairie.....	Mathis, George.....	Duquoin.....
Luscher, John.....	Mt. Olive.....	Matthews, C.....	Duquoin.....
Lyday, Benjamin F.....	Peoria.....	Maule, William.....	Willisville.....
Lynch, John B.....	Muncie.....	Maxwell, Fred.....	Belleville.....
Lynch, M.....	Herrin.....	Mayor, A. W.....	Peoria.....
Lyons, A.....	Riverton.....	Mayor, J. W.....	Duquoin.....
		Meadows, William.....	Duquoin.....
		Mechaelia, Edward.....	Ledford.....
		Melthe, William.....	Belleville.....
		Melton, Frank.....	Georgetown.....
		Melvin, Elmer.....	Gillespie.....
		Meng, George W.....	Tamara.....
		Menk, Hugh B.....	Freeburg.....
		Meredit, Arthur B.....	Edwardsville.....
		Mercer, I. W.....	Troy.....
			St. John.....
Mansburg, H. C.....	Pinckneyville.....		
Mander, Charles H.....	Stanton.....		
Madden, Harvey.....	Danville.....		
Manley, Leo.....	Coffeen.....		
Manning, Ed. I.....	Cartersville.....		
Mann, John B.....	Sherman.....		
Mainwaring, James.....	Braceville.....		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Horace C.....	Collinsville	Neilson, James W.....	Sparta
Smith, Fred.....	Athens	Nelson, Andrew V.....	Centralla
Smith, Joseph.....	Williamsville	Nentzel, Fred H.....	Cassidyville
Henry.....	Trenton	Newal, Leroy.....	Spartland
John.....	Staunton	Nevenner, James.....	Belleville
, Otto L.....	Belleville	Nichols, John.....	Athens
L. J. F.....	Centralla	Nichols, E. E.....	Coffeen
Hugh.....	Braceville	Nichols, F. B.....	Coal Valley.....
James C.....	Tamaroa	Nickerson, James K.....	Colfax
James.....	Alma	Nicobaldes, George.....	Dewmaine
T. H.....	Raymond	Nicol, William.....	Belleville
William C.....	Rentchler	Nicol, Adolph.....	Belleville
Thomas S.....	Coal City.....	Norborg, Peter.....	Galva
John.....	Mt. Olive.....	Norborn, Frank.....	Galva
Robert A.....	Spaulding	Norgart, Andrew.....	Streator
E. R.....	Farmington	Norris, James J.....	Murphysboro.....
Walter.....	Pana	Norris, Floyd.....	Duquoin
Luther.....	Niantic	Norton, William.....	Oglesby
E.....	Peoria	Norton, Victor.....	Brereton
Se, Charles L.....	Danville	Norfleet, Thomas M.....	Springfield
R. E.....	Cutler		
John.....	So. Wilmington.....	O'Brien, Terry.....	Decatur
A.....	Springfield	O'Donnell, Michael.....	Decatur
in, James.....	Gillespie	Ogden, William.....	Rentchler
J. W.....	Springfield	Ogden, Samuel.....	Mascoutah
. N.....	Johnston City.....	Olinger, J.....	Odin
I. E.....	Troy	Olive, Edmund.....	Livingston
A.....	Braceville	Olson, August.....	Streator
John A.....	Christopher	O'Neal, James.....	Streator
A. D.....	Elmwood	Ondescko, George.....	Braceville
John.....	Belleville	Ople, Frederick.....	Mt. Olive.....
Joseph W.....	Springfield	O'Riley, Wilbur.....	Grape Creek.....
Charley.....	Eldorado	Ord, S. R.....	Mt. Vernon.....
John C.....	Springfield	Ormlston, R.....	Danville
William.....	Carbon Hill.....	Osborne, Benjamin.....	Streator
Frank.....	Peoria	Osburn, Glen L.....	Streator
A.....	Duquoin	Otte, John.....	Collinsville
J.....	Springfield	Outhouse, John.....	Johnson City.....
John W.....	Divernon		
George.....	Belleville	Packingham, Harry.....	Granville
James H.....	Nashville	Paddock, W. D.....	Pana
James.....	Mt. Olive.....	Padden, J. W.....	Spring Valley.....
William.....	Mt. Olive.....	Pair, J. H.....	Williamsville
William.....	Harrisburg	Pallardy, William P.....	Springfield
John.....	Duquoin	Parks, J. H.....	Streator
, Thomas.....	Lebanon	Parker, Joseph.....	Murphysboro.....
, Patrick.....	Staunton	Parsh, Gus.....	Auburn
, Archie.....	Oglesby	Patterson, R. J.....	Murphysboro.....
Joseph L.....	Edinburg	Paterson, T.....	Gillespie
Jacob W.....	Rentchler	Patterson, W. M.....	St. Louis, Mo.....
y. Christopher.....	Edwards	Patterson, Bert.....	Westville
y. A. T.....	Glenburn	Pankey, James M.....	Equality
Alfred L.....	Belleville	Patton, Frank L.....	Springfield
Joseph L.....	Belleville	Payton, Ralph E.....	Streator
Robert T.....	Norris	Pearce, H. L.....	Cable
Edward.....	Farmington	Peecher, David.....	Braidwood
James F.....	Springfield	Peet, Charles.....	Marionville
Archie.....	Trenton	Pemberton, C. H.....	Duquoin
Robert.....	Coal City.....	Perkes, Ephraim.....	Superiorville
Christopher C.....	Gillespie	Petrea, J. W.....	Vandercook
Hugh.....	Nashville	Peters, Alonzo L.....	Peoria
Joseph P.....	Rosboro	Petro, Mike.....	Braceville
Henry.....	Winonk	Pendergast, John.....	Centralla
Peter W.....	Carlinville	Perrins, George H.....	Herrin
William.....	Decatur	Peyla, George.....	Braidwood
		Picton, T. H.....	St. David.....
Jake.....	Springfield	Pierson, Charles.....	Harrisburg
A. J.....	Herrin	Pierson, Joseph.....	Harrisburg
mbrose.....	Carlinville	Pierson, Thomas.....	Harrisburg
hn H.....	Carterville	Phillips, J. M.....	Athens
l, Daniel.....	Breese	Pinkerton, John G.....	Hanna City.....
Ollie K.....	Norris	Piper, James.....	Worden
Frank M.....	Canton		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Piper, Oliver G.....	Staunton	Rennie, Andrew.....	Dunfermline ...
Piper, Joseph.....	Glen Carbon.....	Rennie, James.....	Dunfermline ...
Pircher, Peter P.....	Sandoval	Renter, August.....	Mt. Olive.....
Pitra, Frank.....	Odin	Repplinger, H.....	Belleville
Pitt, Sam.....	Trenton	Reyabek, Joseph.....	Glen Carbon....
Pitt, Joseph.....	Trenton	Reynolds, James.....	Streator
Pittman, Roy.....	Ledford	Rhodes, Almon R.....	Chenaa
Platt, J. A.....	Springfield	Rhoades, Ashley.....	Taylorville
Plenty, George R.....	Canton	Rice, C. D.....	Harrisburg
Plimmer, Benjamin.....	Streator	Rice, William H.....	Harrisburg
Plocker, Henry.....	Pana	Rice, James M.....	Sunfield
Pointer, Edward H.....	Belleville	Rice, Moses.....	Murphysboro...
Poole, Edward A.....	Lake Creek.....	Richards, John T.....	Staunton
Poole, Arthur H.....	Murphysboro...	Richart, Lee.....	Moweaqua
Powell, Edwin.....	Caseyville	Richmond, John E.....	Coal City.....
Powell, F. C.....	Seatonville	Riland, Francis F.....	Harrisburg
Prescott, G. A.....	Centralla	Riley, B. J.....	Cantrall
Price, Thomas.....	Spaulding	Riley, Michael.....	Grape Creek....
Price, Daniel D.....	Redlich	Rippitoe, J. G.....	Colchester
Prickett, Thomas M.....	Niantic	Ritchie, John.....	Trenton
Pritchard, H. C.....	Lewistown	Roach, Samuel.....	Tamaroa
Pruett, J. M.....	Harrisburg	Roberts, Charles.....	LaSalle
Pugh, Daniel.....	St. John.....	Roberts, William.....	Kangley
Pullen, R. H.....	Sorento	Roberts, Edward J.....	Kangley
Pulver, R. H.....	Centralla	Roberts, Frank L.....	Lake Creek....
		Roberts, John.....	Litchfield
		Roberts, Jonathan.....	Willisville
		Roberts, Erwin.....	Johnson City...
		Roberts, W. P.....	Johnson City...
Quick, Harry.....	Oakwood	Robinson, Charles.....	Wenona
Qualls, Nevall.....	Dubois	Robinson, J. A.....	Riverton
Quick, A. T.....	Sato	Robinson, William A.....	Toluca
Quick, John.....	Braidwood	Rockey, Charles.....	Peoria
Quick, A. S. H.....	Sato	Rodgers, Edward.....	Murphysboro...
Quick, Selbert T.....	Pinckneyville ..	Rodgers, George R.....	Sunfield
Quigley, Henry.....	Hallidayboro ..	Rodgers, Finnel.....	Murphysboro...
Quinn, Joseph.....	Springfield	Rode, Henry..	Sherrard
		Rohe, Herman J.....	Alexis
		Rohour, Michael.....	Grape Creek....
Raber, F. C.....	Troy	Rosan, Ben.....	Duquoin
Raber, Louis.....	Collinsville	Rowland, Samuel J.....	Divernon
Radford, William T.....	Bloomington ..	Rowland, Sidney G.....	Belleville
Rafter, Michael.....	Marquette	Roy, A. I.....	Collinsville
Rafter, James P.....	Springfield	Royster, Richard.....	Peoria
Raisbeck, John.....	Braceville	Rude, Edmund.....	DeSoto
Raker, Truman.....	Rutland	Ruhlander, E. H.....	Mt. Olive.....
Randle, Caleb.....	Belleville	Russell, Zenas.....	Pana
Randle, William.....	Freeburg	Russell, Guy.....	Harrisburg
Rasor, J. D.....	Staunton	Rutliff, Isaac.....	Ashland
Rasch, Aug. F.....	Trenton	Ryan, Lawrence.....	Decatur
Ratcliff, L. P.....	Carterville	Ryan, William.....	Athens
Ratcliffe, A.....	Sheffield		
Rawson, Grant I.....	Belleville	Sadler, George.....	Murphysboro ...
Rawlings, Alex N.....	Cantrall	Sager, Ed. L.....	Trenton
Ray, Hugh.....	Wanlock	Saidla, J. A.....	Carterville
Reagan, William.....	Mt. Olive.....	Sallade, George.....	Chatham
Reatz, Hans.....	Lincoln	Sallade, J. E.....	Chatham
Reading, Curtis.....	Niantic	Sampson, Joseph M.....	Petersburg
Record, L. A.....	Rutland	Sands, Robert K.....	Marissa
Reece, John U.....	Collinsville	Sangrelet, Charles.....	Litchfield
Reed, John.....	Herrin	Savage, Richard.....	Clarke City....
Reed, W. J.....	Danville	Sawyer, V.....	Staunton
Retz, Herman.....	Lincoln	Sawyers, Joseph.....	Coal City.....
Reeger, John C.....	Pinckneyville ..	Saylor, C. F.....	Murphysboro ...
Reese, William M.....	Roanoke	Schadt, Conrad.....	Rock Island....
Redden, James W.....	Dewmaine	Schalfer, Fred.....	Belleville
Reid, Robert.....	Moweaqua	Shannessy, Thomas.....	Braidwood
Reid, Archibald.....	Springfield	Scheffler, Julius.....	Pekin
Reid, Andrew B.....	Duquoin	Schofield, Peter.....	Coal City.....
Reidlinger, Peter M.....	Peoria	Schnute, Henry.....	Breese
Reidberger, William J.....	Dubois	Schramm, Charles.....	Belleville
Reilly, Henry.....	Toluca	Scharinck, Fra.....	Edwardsville ..
Reimann, John.....	Belleville	Schmacker, Herman.....	Glen Carbon....
Remelius, Jacob.....	O Fallon		
Rennard, James Ed.....	Grape Creek....		
Reichman, George.....	Trenton		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
per, J. A.	Harrisburg	Stanfel, Martin	Toluca
ft, L.	Carterville	Stanford, J. W.	Pana
r, Charles	Mt. Olive	Stanforth, F.	Wanlock
r, Henry	Mt. Olive	Stange, Fred	Marquette
r, Fred W.	Staunton	Stanton, William B.	Colchester
r, John W.	Murphysboro	St. Clair, James A.	Macomb
Frits	Breese	Starnes, Peter	W. Frankfort
l, Conrad	Breese	Stedman, Edgar	Missionfield
Frits	Clinton	Stedman, Robert, Jr.	Danville
ber, Charles	Marissa	Steel, E. H.	Salem
s, Otto	Springfield	Steinheimer, Theodore	Leasburg
r, Fred W.	Gardner	Stephen, C. H.	Spring Valley
r, John	Marissa	Stewart, L. A.	Mt. Vernon
oe	Farmington	Stewart, Daniel	Streator
W.	Colchester	Stewart, James C.	Carbon Hill
Castling R.	Braceville	Stewart, Peter	Murphysboro
red D.	Odin	Stelmeyer, B.	Staunton
John C.	Cantrall	Stocks, H.	Carterville
George A.	Cantrall	Stoker, A. E.	Buffalo
Fred	Kinmundy	Stone, N. G.	Marion
William	Ormsby	Stone, Frank	Lebanon
aries B.	Colfax	Stone, Nathan	Carterville
Charles	Sandoval	Storm, Edwin	Worden
John	Colfax	Stull, Roy	Cherry
James M.	Girard	Stout, F. M.	Springfield
A. S.	Carterville	Stout, W. B.	Rutland
ohn H.	Spring Valley	Stowell, G. W.	Bloomington
Peter	Athens	Strelk, William	Belleville
Walter L.	New Athens	Strader, Clarence	Westville
er, S.	Williamsville	Strait, John D.	Mockneyville
on, Isaac V.	Fairmount	Strivey, William	Taylorville
t, Harry	Herrin	Stroud, William	Worden
A. D.	Lincoln	Struck, Carl	Springfield
George A.	Tilden	Struse, Henry M.	Athens
Charles	Springfield	Stuthard, George B.	Westville
P. A.	Kinmundy	Stuart, John	Ladd
H. M.	Ollchriat	Sullivan, S.	Harrisburg
Ell	Belleville	Sturber, Alexander H.	Danville
Herbert	Belleville	Swartz, Fred	Toluca
John	Belleville		
Levi	Belleville		
H.	Murphysboro	Taylor, James	Edwards
Guy S.	Glen Carbon	Taylor, Harry	Peoria
Thomas B.	Carbon Hill	Taylor, Edwin	Trenton
Homer	Streator	Taylor, Joseph G., Jr.	Springfield
W. A.	Gillespie	Taylor, Mack	Westville
William I.	Carterville	Taylor, William W.	Tamara
Clarence	Ollchriat	Taylor, Rimeon	Russell
Charles H.	Seneca	Taylor, A. P.	Johnston City
Edward J.	Collinsville	Teeters, C. N.	Taylorville
George W.	Virginia	Tefft, Ernest	Mt. Olive
George W.	St. Louis, Mo.	Temple, James C.	Springfield
	Danville	Terry, W. F.	Litchfield
	Marionville	Terry, George L.	Raymond
Robert	Collinsville	Thalgott, John	Trenton
Firth	Murphysboro	Thelma, John C.	Murphysboro
yer, Anton	Lincoln	Thexton, Henry	Rushville
M.	Danville	Tobin, B.	Coal City
John	O Fallon	Thomas, Fred	Rutland
Richard	Catlin	Thomas, Charles	DeRoto
James	Westville	Thomas, G. E.	DeRoto
William	Georgetown	Thomasberry, Hiram A.	Duquoin
Arthur	Danville	Thompson, Wm. H.	Ilmrod
Edward	Springfield	Thompson, Solomon E.	Mason
T. B.	Astoria	Thompson, Fred	Westville
Miles	Williamsville	Thompson, J. H.	Marion
Emery C.	Ellisville	Thurston, R. T.	Mukytown
I. L.	Mt. Vernon	Tibbells, E. A.	Marion
Charles	Restonville	Timmons, Levin F.	Wyoming
Henry	Restonville	Tireedy, Abel	Staunton
Elijah	Uadidachoro	Titus, C. B.	Tower Hill
Albert	Braceville	Tindall, J. L.	Danville
Kimer	Farmington	Tobin, Robert	Springfield
I. W.	Pontiac	Trainer, Arthur M.	Blue Mound

Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Traghtbee, Peter.....	Assumption	Westwood, Thomas E....	Marianna
Travis, Alonso.....	Pana	Westwood, Edward.....	Birkner
Travis, Wm.....	Birkner	Westwood, F. C.....	Belleville
Tregoning, Chas.....	Carterville	Weymouth, John.....	Springfield
Tregoning, Geo.....	Carterville	Wheatley, John W.....	Coal City.....
Timblenson, Sinclair....	Centralla	White, Korah.....	Tower Hill.....
Turner, Geo. W.....	Lewistown	White, Henry.....	Riverton
Twombly, Edward.....	Coal Valley.....	White, Perry J.....	Springfield
		White, Robert.....	Lincoln
		White, Booker.....	Catlin
Vandever, Geo. W.....	Centralla	Wickersham, J. R.....	Lake Creek.....
Van Dusen, Leonard A..	Braceville	Widick, Edward C.....	Finley
Van Fleet, L. E.....	Barclay	Wilkins, W. P.....	Springfield
Van Meter, Percy.....	Williamsville	Wilkinson, Louis.....	Pekin
Vallow, P. Oliver.....	Kinmundy	Wilkinson, Eugene.....	Taylorville
Vaughn, John.....	McLean	Williams, Andrew D....	Sandoval
Valentine, Chas.....	Cable	Williams, Huston.....	Spaulding
Vaughn, Wm. M.....	Edwards	Williams, John.....	Spring Valley
Vandveer, Perry E.....	Taylorville	Williams, Jewell.....	Mt. Olive.....
Vernon, James.....	LaSalle	Williams, Thomas E....	St. David.....
Vinecare, Stephen A. D..	Putland	Williams, Watson.....	Virden
Vollentine, Thomas E...	Sorento	Williams, Wm.....	Donquola
VonBrunn, Max.....	Glen Carbon.....	Williams, Wm. H.....	Sherrard
		Williams, Wm. Hampton.	Morphysboro ..
		Williams, John F.....	El Dorado
		Williams, John R.....	Williamsville ..
Wade, Geo. H.....	Johnson City....	Williamson, Henry.....	Coal City.....
Wagner, John B.....	Collinsville	Williamson, Wm.....	Coal City.....
Wagner, Albert H.....	Johnson City....	Wills, Henry E.....	Harrisburg
Waggoner, Wm. F.....	Raymond	Wilson, David.....	Birkner
Wagmire, James.....	Assumption	Wilson H. C.....	Farmington
Waldrom, Thos.....	Fredonia	Wilson, Wm. H.....	Middle Grove..
Walker, James.....	Spaulding	Wilson, James.....	Springfield
Walker, John H.....	Mt. Olive.....	Witterwood, William ..	Nokomis
Walker, Joshua.....	Mt. Olive.....	Wlador, Samuel.....	Norris
Wallace, Henry G.....	East Peoria.....	Wlador, Robt.....	Norris
Waller, Wm. F.....	Marion	Wines, E. R.....	Springfield
Walters, Robert.....	Springfield	Wolfe, R. Henry.....	Mt. Olive.....
Walford, Noah.....	Williamboro	Wolfe, Wm.....	Carterville
Wallock Chas.....	Praceville	Wohlford, John.....	Taylorville
Walsh James D.....	Auburn	Wolschlag Geo. J.....	Peoria
Walton, A. F.....	LaSalle	Wood Daniel A.....	Colfax
Walton, Hugh.....	Norris	Woodward J. R.....	Streator
Walton Patrick.....	Bureau Junction.	Woolbright, D. A.....	Centralla
Walton Joseph.....	St. David.....	Woodworth Peter.....	Pekin
Wantling, T. J.....	Pottstown	Worms, Joseph.....	Birkner
Wandless, W. S.....	Collinsville	Wormack Chas. A.....	Glen Carbon ..
Warner, Richard.....	Troy	Wright Thos. C.....	Belleville
Warner M.....	Farmington	Wright, Wm. M.....	Pana
Warner Andrew.....	Colfax	Wrigley, James.....	Collinsville ..
Wassell, Anton.....	Braceville	Yates, John.....	DeSoto
Watkins, N. R.....	Springfield	Yates, Wm.....	Coal City.....
Watson, Frank.....	Springfield	Yehling, Fred H.....	Donquola
Watson M.....	Riverton	Young, J. K.....	Girard
Wattawa Joseph.....	Belleville	Young, James G.....	Gardner
Watts, T. J.....	Elmwood	Young, Robert.....	LaSalle
Weaver, Roscoe.....	Colchester	Young, A. O. K.....	Girard
Weaver, Elmer.....	Dunfermline	Young, Peter J.....	Springfield ..
Weaver, Olla.....	Canton	Young, W. J.....	Donquola
Webb, Albert M.....	Greenview	Youngshand, L.....	Coal City.....
Wehling, Fred.....	Peddick	Youngquist, Frank.....	Sherrard
Wehner, J. R.....	Rutland		
Weber, William.....	Murphysboro	Zeigler, John.....	Iles Junction ..
Welch Benjamin.....	Harrisburg	Zerban, W. F.....	Belleville
Wente Frank.....	Nashville	Ziegler, Fred.....	Edwardsville ..
Wernon, W. L.....	Springfield	Zink, Louis.....	Belleville
West, W. H.....	Murphysboro	Zink, Peter A.....	Belleville
West, Olla.....	Herrin	Zurker, Loren.....	Cable
Weener, Ephraim.....	Streator		
Westwood, Albert.....	Belleville		

HOISTING ENGINEERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Ackerman, Jacob.....	Belleville	Graham, J. A.....	Nilwood
Allen, William H.....	Collinsville	Graham, Reuben.....	Virden
Anthony, John C.....	Belleville	Grattendick, Fred.....	Okawville
		Greaves, Allen.....	Nashville
Balwir, John C.....	Braidwood	Grey, David F.....	Springfield
Banker, Henry.....	Ridge Prairie	Grierson, John.....	Streator
Bath, Ameston.....	Cuba	Grimshaw, Joseph.....	LaSalle
Beeby, William.....	Springfield	Groom, John.....	Belleville
Bell, George B.....	Canton		
Benvenuto, Charles.....	Toluca	Haas, Jacob.....	Millstadt
Birkley, N. T.....	Cuba	Hackett, Owen.....	Spaulding
Blue, Jesse.....	Norris	Hagler, Charles.....	Fredonia
Bonick, Andrew.....	Gilchrist	Hall, Geo. H.....	Nilwood
Bowman, George W.....	Yates City.....	Hanson, William.....	O'Fallon
Brown, G. A.....	Iles Junction.....	Harms, Helke.....	Petersburg
Brubeck, J. W.....	Pawnee	Harris, J. T.....	Tamaroa
Brumann, Albert.....	Springfield	Heaver, F.....	Sandoval
		Hickox, Lee.....	Springfield
		Howe, Charles.....	Streator
Campbell, Albert.....	Pottstown		
Campbell, James.....	Coal City.....	Ichman, Frank.....	Spring Valley...
Carlson, Alexander.....	Galva	Isadore, Charles.....	Sparta
Carrington, Eugene.....	Moweaqua	Isadore, George.....	Sparta
Carter, Albert J.....	Pinckneyville		
Chitwood, William.....	Glenburn	Jackson, William.....	Minonk
Clark, Charles M.....	Duquoin	Jacobs, John P.....	Orchard Mines..
Cline, John.....	LaSalle	Jacobs, William.....	Murphysboro
Collins, John.....	Birkner	Jamison, John.....	Petersburg
Cook, W. D.....	Westville	Jeffrey, William.....	Gilchrist
Cotton, George.....	Hallidayboro	Johnson, Edgar W.....	Marion
Cox, John.....	Ledford	Jones, George W.....	Riverton
Craig, Daniel.....	Danville	Jones, T. A.....	Muncie
Crawson, William.....	O'Fallon	Judd, Thomas.....	Cuba
Crinigan, Barney.....	LaSalle		
Crocker, Edward.....	Marquette	Kearney, M.....	Hallidayboro
Cruikshanks, Wm. A.....	Middle Grove	Kelly, Martin.....	Toluca
Cummings, Robert H. L.....	Sparland	Kemper, Christian.....	Belleville
		Kennedy, W. J.....	Edwardsville
Daley, Thomas.....	Diamond	King, Alexander, Jr.....	Cartersville
Dauk, John.....	LaSalle	King, John.....	Cartersville
Davenport, Thomas.....	New Castle.....	Kirby, Thomas, Jr.....	Pern
Davis, George W.....	Hanna City.....	Klang, John.....	Galva
Davis, Thomas.....	Swanwick	Klaus, Louis.....	Belleville
Davis, William H.....	Streator		
Davison, J. G.....	St. John.....	Langran, James.....	Fairbury
Dawson, John.....	Streator	Larson, Charles L.....	Galva
Dawson, Thomas.....	Streator	Lathan, William H.....	Hallidayboro
Dawson, V. C.....	Spring Valley...	Lewis, Jacob H.....	Pottstown
DeBacher, Thomas.....	Elmwood	Lewis, William.....	Wanlock
DeHaan, B. L.....	Tallula	Lippert, Adolph.....	Kewanee
Detrich, Philip.....	Freeburg	Lloyd, Benjamin.....	Rentchler
Dillon, John.....	Amurn	Love, William.....	Virden
Doe, R. P.....	Glen Carbon.....	Lundberg, Eric.....	Galva
Dodd, Samuel.....	Pottstown		
		Marshall, Robert.....	Yates City.....
Ebel, August.....	Belleville	Matthews, George.....	Duquoin
Edwards, George W.....	Springfield	Mattern, Daniel.....	Spring Valley...
Egerton, J. O.....	Colchester	Matthews, C.....	Marion
Ekin, Daniel B.....	Springfield	Matthews, Wm. G.....	Cartersville
Emex, George M.....	Senerville	Maurer, Edward.....	Spring Valley...
Evans, Albert.....	Glen Carbon.....	Maxwell, Fred.....	Peoria
Everett, Charles.....	Rutland	McClaster, Thomas.....	Muddy Valley...
		McDonald, William H.....	Pana
Fischer, George.....	Staunton	McLean, John.....	Pleasant Plains
Fisher, Patrick.....	Kangley	McMillen, W. M.....	Danville
		McWerth, G. A.....	Smithboro
Gandy, James W.....	Peoria	Melvin, T. M.....	Tamaroa
Glasford, Oliver.....	Orchard Mines..	Millem, John.....	Spring Valley...
Glenam, Philip.....	Williamsville		

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Miller, William.....	Streator	Rogers, Henry.....	Braidwood ..
Morrison, Archie.....	Oglesby	Rude, Edmond.....	DeSoto
Mumford, E. A.....	Kewanee		
Murray, James H.....	Galva	Sallade, George A.....	Chatham
		Sanson, T. J.....	Cartersville ..
Neal, Ambrose.....	Barclay	Sawyers, Joseph.....	Coal City.....
Neil, John H.....	Bunker Hill.....	Schmacher, Charles..	Marissa
Neilson, J. W.....	Sparta	Schramm, Charles.....	Belleville
Nicholson, George A.....	Cuba	Seebach, Joseph.....	Spring Valley ..
Nord, John H.....	Galva	Sexton, LaFayette.....	Dawson
		Seymour, A. J.....	Fredonia
Ogden, David.....	Rentchler	Sheppard, W. C.....	Marquette
Ogden, Samuel.....	Mascoutah	Shurm, Fred.....	Gardner
Olson, Aug.....	Kangley	Smith, Geo. W.....	Virginia
Osborne, Benjamin.....	Streator	Sorrells, D. H.....	Ashland
Ottinger, William.....	Catlin	Sowarby, Miles.....	Willisville
		Stoker, Edward.....	Bartonville
		Streck, William.....	Belleville
		Stroud, William.....	Worden
		Struck, Carl.....	Springfield
		Stuart, John.....	Oglesby
Pankey, John M.....	Equality	Tanner, Henry.....	Pinckneyville ..
Peet, Charles.....	Marselles	Taylor, Benjamin.....	Bartonville
Pendergast, James.....	Superiorville	Taylor, Willard W.....	Tamaroa
Phillips, William.....	Hallidayboro	Tefft, Ernst.....	Girard
Picton, Joseph.....	Farmington	Telfer, John K.....	Morris
Picton, Thomas H.....	Farmington	Thome, Martin.....	Martinville
Piper, Oliver.....	Worden		
Pritchard, H. C.....	Lewistown		
Pritchett, T. M.....	Wianite		
Qualla, Nevel.....	Dubois	Wallace, Harry G.....	East Peoria.....
Quick, A. T.....	Sato	Warner, Andrew M.....	Wenona
		Waymire, James.....	Assumption
Raber, Louis.....	Caseyville	Wertwood, Edward.....	Birkner
Radford, James W.....	Cuba	Wheatley, Rolley.....	Duquoin
Radford, W. T.....	Bloomington	White, Henry.....	Riverton
Rahaur, Michael.....	Pawnee	Williams, Huston.....	Spaulding
Redyard, John.....	Odin	Williams, Stephen P....	Wyoming
Reelce, William M.....	Roanoke	Williams, Watson.....	Barclay
Reld, A. B., Jr.....	Duquoin	Willis, Harry.....	New Castle.....
Rennard, James E.....	Westville	Wood, Daniel A.....	Colfax
Reum, Charles H.....	Sorento	Woolbright, D. A.....	Centralia
Rice, B. F.....	Harrisburg	Wonne, Joseph.....	Birkner
Richmond, Edward B....	Winchester	Wormack, Charles A....	Glen Carbon....
Rieger, John C.....	Pinckneyville ..		
Riley, Michael.....	Westville		
Roach, Samuel.....	Tamaroa		
Rogers, George.....	Sunfield	Zeigler, John.....	Hess Junction...

E EXAMINERS HOLDING CERTIFICATES OF COMPETENCY.

E—The revised mining law of 1899 changed the title or name "Fire Boss" to that of "Mine Examiner," and provided that those holding certificates as Fire Boss could exchange the same for that of Mine Examiner.

Names followed by the abbreviation "ex." have made such exchange; names followed by "d" are deceased.

Name.	Postoffice.	Name.	Postoffice.
George.....	East Peoria.....	Beecham, William.....	Cardiff
Alexander.....	Carterville	Beekman, Theodore.....	Glen Carbon....
William M.....	Centralla	Beese, Charles.....	Belleville
Charles H.....	Hanna City.....	Beggs, David.....	Fairbury
Walter E.....	Zeligler	Belch, Thomas.....	Herrin
Max.....	Edwards	Bell, Arthur.....	Carterville
Ben.....	Virden	Bell, William.....	Streator
Fred.....	Centralla	Beltz, F. J.....	Eldorado
der, John.....	Cable	Bennett, David R.....	Mt. Olive.....
der, David H.....	Pinckneyville ...	Bennett, William.....	Danville
ger, Joseph.....	Chatham	Bergony, Henry.....	Toluca
, John W.....	Greenvew	Bernard, Edward.....	Danville
on, James.....	Marion	Berry, W. C.....	Staunton
on, Wm.....	Glen Carbon....	Bruson, Wm.....	Winchester
r, Thomas.....	Oglesby	Betson, Robt.....	Farmington
r, Thomas.....	Kangley	Betson, Richard.....	Farmington
ald, George.....	Green Ridge....	Bettison, William.....	Canton
ong, J. J.....	Herrin	Bevan, Wm.....	Spring Valley...
ong, George.....	Riverton	Beynon, J. G.....	O'Fallon
Joseph.....	Coal City.....	Biehl, Charles.....	Belleville
, Stephen.....	Oglesby	Bigelow, George.....	Spaulding
, E.....	Salem	Blair, Herbert M.....	Centralla
, J. B.....	Salem	Bluefield, Charles.....	Coal City.....
on, John G.....	Cable	Blakemore, George.....	Streator
William.....	Belleville	Blenkinsopp, Thomas, Jr.	Cable
		Blue, J. W.....	Grape Creek....
Robert.....	Farmington	Robell, Louis.....	Mt. Pulaski....
John L.....	Mapleton	Booth, Enoch.....	Springfield
David.....	Sunfield	Borg, Frank.....	Mt. Olive.....
William.....	Sunfield	Bost, Lock.....	Pana
James W.....	Duquoin	Boston, John W.....	Tallula
Daniel.....	Sparta	Bouer, Benj. F.....	Herrin
Charles.....	Centralla	Bowen, Gwilym.....	Herrin
Sherrard.....	Gillespie	Bowen, Melvin I.....	Blue Mound....
Robert.....	Auburn	Bowie, Robert.....	Braidwood
Samuel G.....	Auburn	Bowman, Jacob.....	Salem
Wm. F.....	Murphysboro ...	Boyer, John.....	Fairmount
in, J. F.....	Equality	Bracewell, Warren.....	Danville
, John.....	Centralla	Bradley, James L.....	O'Fallon
y, George.....	Greenvew	Bradley, James.....	Belleville
r, Harry.....	Lake Creek....	Bradock, Joseph H.....	French Valley...
vman, Geo. S.....	Rush	Breeze, John F.....	Taylorville
vman, Wm. T.....	De Soto.....	Brennan, Parick.....	Toluca
Joseph.....	Athens	Brennan, John E.....	Virden
er, Fred.....	Herrin	Brennan, George.....	Caseyville
, William.....	Dawson	Brewer, Emery A.....	Mt. Pulaski....

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Brinley, Wm.	Westville	Cooper, Moses.	Athens
Brod, Peter A.	Odin	Corcoran, James.	Carterville
Brook, Isaac.	S. Wilmington	Corcoran, Charles.	Carterville
Brooks, Mac.	Pleasant Plains.	Cordon, Richard.	Coulterville
Brown, Ben F.	Bryant	Congrove, Bernard.	Sparta
Brown, Leslie L.	Peoria	Congrove, John.	Sparta
Brown, Mathew.	Springfield	Costello, Henry (ex)	Pana
Brown, Archibald.	Streator	Cowley, William	Duquoin
Brown, John T.	Ledford	Cowley, Peter.	Westville
Brooks, Peter (d)	Taylorville	Crane, Roy.	Tamaron
Bryan, William.	Virden	Crichton, Lawson.	Taylorville
Bullough, James.	Girard	Crofta, Robert.	Cardiff
Bundy, John.	Streator	Critchey, Harry.	Glen Carbon.
Bumgartner, Andrew J.	Barclay	Cross, Thomas.	Johnson City
Burgess, Wm. W.	Johnson City	Connaughton, Edward.	Belleville
Burke, John.	Westville	Cox, E.	Centralla
Burnett, J.	Hallidayboro	Cox, W. H.	Centralla
Burnett, Thomas.	Hallidayboro	Cox, Will M.	Edwardsville
Burna, James, Sr.	Springfield	Cumming, J. M.	East Peoria
Burna, Geo.	Danville	Cummins, Ross.	Danville
Burna, J.	Spring Valley		
Burna, Wm. S.	Gillespie		
Butler, W. H.	Percy		
		Dacy, William.	Springfield
Cadmus, George T.	Lebanon	Daenzer, John A.	Glen Carbon.
Campbell, Robert.	Witt	Dalley, Charles.	Springfield
Campbell, James.	Assumption	Dale, John	Streator
Campbell, Edward.	Pekin	Dallas, Charles.	Odin
Campbell, Wm. A.	Seatonville	Davis, John	Kington Miss.
Cannon, John	Marquette	Daly, William	Staunton
Canet, Moses.	Coal City.	Dalzell, Andrew.	Lanton
Cappin Aaron	Wenona	Damrath, Frederick.	Virden
Capstick, Arthur W.	New Baden	Dangerfield, Edward.	Herrin
Capstick, Wesley W.	New Baden	Daniel, John.	Belleville
Carlson, Andrew.	Colfax	Daugherty, Chas.	Spring Valley
Carr, J. W.	Odin	Daniel's, David	Belleville
Carr, Wm.	Middletown	David, Finner E.	Astoria
Carragher, Thomas	Zeigler	Davis, George.	Springfield
Carroll, Anthony W.	Gillespie	Davis, Thomas.	Nilwood
Carter, James	LaSalle	Davis, William.	Streator
Carter, Samuel	Braceville	Davis, William H.	Streator
Carterell Claude.	Herrin	Davis, Jackson.	Athens
Carrion, J.	Oglesby	Davis, William.	Streator
Casa, William.	Diamond	Davis, John	Taylorville
Cass, James.	Belvidere	Davis, Wm. J.	Spring Valley
Cass, John.	Braidwood	Davidson, Frank A.	Sparta
Cass, John	Williamsville	Davidson, Forest W.	Randoval
Cashen W. P.	Lincoln	Davison, William D.	Randoval
Castillo Henry	Pana	Day Louis B.	Taylorville
Cave, Albert.	Streator	Dayton, J.	Roanoke
Chaderton John.	Lana Station.	Dawkins, Wm. E.	Rentchler
Chambers Wm. M.	Coften	Dickey, J. G.	Sparta
Chandler, James.	Wenona	Dickinson, Wm. P.	Athens
Charnock James.	Decatur	Diel, Louis.	Belleville
Christie Wm. T.	Herrin	Ditt, Harry.	Parminston
Cleary, William T.	Ava	Dodge, H. N.	East Peoria.
Clark, Walter.	Lebanon	Doeris, Charles.	Harrisburg
Clark, Robert.	Farmington	Doerr, Emil.	Johnson City
Clark Joseph R.	Hornaby	Doonier, P. J.	Westville
Clarnach Marion.	Revere	Doukin, Jonathan, Sr.	LaSalle
Clatland Wm.	Putland	Downs, Thomas.	Westville
Craine J. E., Jr.	Murphyshoro	Dowdell W.	Danville
Cunningham David.	Carlinville	Dowell, William C.	Centralla
Champlsey, James (ex)	Wenona	Draper, Orason.	Diernon
Coleman, Mont.	Virden	Drake, Jess.	Glen Carbon.
Condon Charles H.	Panna City.	Duhola, James.	Oglesby
Connolly, Terrance J.	Assumption	Duncan, John C.	Murphyshoro
Coccan Wm.	East Peoria.	Dunkel, George W.	Pleasant Plains
Cook, William.	Duquoin	Dusenberry, Walter.	Marion
Cook, Frank.	Westville		
Cook, Fitzh.	Wanlock	Edie, John.	Sherman
Cook, Thomas.	Belleville	Edmonds, Morgan.	Mt. Olive.
Cook, Thomas.	Belleville	Edwards, Benj.	Westville
		Ehlert, William.	Mt Olive.
		Elison, Charles E.	Pana

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
son, Arthur.....	Carterville	Green, Wm. H.....	Belleville
Thomas.....	Streator	Green, J. W.....	Springfield
s, Edward R.....	Hallidayboro	Green Thomas H.....	Springfield
John.....	Randoval	Greenam, John.....	Coal City.....
Edward J.....	Pekin	Gregor, Charles.....	Springfield
Wm. A.....	Danville	Grieve, Peter.....	Belleville
Gwilym I.....	Duquoin	Grieve, Robert.....	Collinsville
		Grimm, John B.....	Niantic
		Griffith, Peter.....	Palaley
n, Geo.....	Streator	Griffiths, Evan.....	St. David.....
r, George P.....	Belleville	Griffith, David.....	Centralia
Joseph.....	Streator	Grills, Landon C.....	Duquoin
James.....	Marissa	Groom, Isaac.....	Belleville
l, Walter.....	Barclay	Guthrie, J. C.....	Herrin
John H.....	Springfield	Guthrie, F. T.....	Minonk
nd, Joseph.....	Staunton	Guy, John.....	Streator
James Lewis.....	Murphysboro.....		
Ermund.....	Herrin	Hackett, Joseph.....	Blue Mound....
m, Wm.....	So. Wilmington.	Haddow, Thomas.....	Pana
Henry.....	Staunton	Hardman, J. J.....	Auburn
F.....	Staunton	Hall, Joseph.....	Auburn
ham, John E.....	Peoria	Hall, Thomas.....	Auburn
Logan.....	Johnson City.....	Hall, Albert.....	Herrin
Harry.....	Petersburg	Halmbacher, Frank.....	Decatur
Michael.....	So. Wilmington.	Harris, William.....	Hallidayboro
Edward.....	Duquoin	Harrison, James.....	Athens
Charles.....	Pana	Harrison, John.....	Odin
Wm.....	Willisville	Haun, George	Litchfield
John.....	Duquoin	Hamilton, David.....	Assumption
Wm. H.....	Carterville	Hampton, Harry.....	O'Fallon
r, Earl.....	Duquoin	Handwright, J.....	Virden
Charles.....	Centralia	Halsfield, Aaron.....	Oglesby
ohn.....	Tilden	Hart, Chas. J.....	Virden
e, Hugh.....	Marissa	Harris, Tom.....	DeSoto
Ralph.....	Marion	Harrison, Robert.....	Cornell
ohn.....	Elmwood	Harron, Walter.....	Sorento
Anton.....	Freeburg	Hawelton, F.....	Springfield
n, C. J.....	Glen Carbon.....	Harvey, C. M.....	Williamsville
n, C. W.....	Glen Carbon.....	Hatmaker, Sterling.....	Herrin
Isaac.....	Taylorville	Hawkins, Sidney.....	Belleville
Alfred.....	Springfield	Hayden, G. S.....	Wenona
William.....	Johnson City.....	Haydon, Martin.....	Sherman
		Hayes, Webster.....	Glen Carbon
n, Frank.....	Harrisburg	Hanson, Charles.....	Danville
h, Patrick.....	Coal City.....	Hardin, Hiram H.....	Divernon
Martin.....	Assumption	Harvey, Frank.....	Springfield
er, J. M.....	Carterville	Haskins, Joseph.....	Catlin
Michael.....	Herrin	Hedger, R. A.....	Herrin
cker, William.....	Truy	Hessler, John E.....	Belleville
Joseph.....	Glen Carbon.....	Hillery, T.....	Sherrard
Hamilton A.....	Chatham	Haywood, Joseph.....	Centralia
Albert C.....	Staunton	Hohenstreet, J. A.....	Staunton
u, L.....	Centralia	Hillery G. M.....	Dunfermline
lv, Honore.....	Westville	Helm, Theodore.....	Staunton
Nick.....	Springfield	Hammersbach, Peter	Farmington
e, John.....	Divernon	Henley, J. H.....	Odin
e, James.....	Cantrall	Henley, John, Jr.....	Odin
L. Lee.....	Duquoin	Henderson, John D.....	Herrin
Fred.....	Pekin	Henderson, Alexander.....	Springfield
Richard.....	Belleville	Henderson, J.....	Shanling
Michael.....	Gardner	Herbert, Albert W.....	Athens
William.....	Staunton	Heron, George.....	DeSoto
N. F.....	Herrin	Hexter, John.....	Freeburg
Ira.....	Herrin	Hersog, W.....	Glen Carbon
lobt.....	Streator	Hickman, Lewis H.....	Russell
k, Emile.....	Gardner	Hill, Peter H.....	Willshoro
L. A.....	Bloomington	Hickey, John.....	Mt. Olive.....
Albert.....	Virden	Hines, William.....	Putland
Geo.....	Virden	Hippard, W. J.....	Belleville
h, Fred W.....	Belleville	Hodder, Jacob.....	Norris
Alexander.....	Gillespie	Hood, John.....	Divernon
Henry.....	Athens	Hooper, Geo.....	Winchester
William.....	Streator	Houston, Robert J.....	Lebanon

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Holcomb, Reuben.....	Westville	Knies, Harry.....	Breese
Holden, Andrew.....	Coal City.....	Koehler, Charles....	Lincoln
Hopkins, Bease.....	Litchfield	Kohers, Adam.....	Breese
Homer, Fred.....	Mandoval	Kalkmann, Gustav...	Marissa
Horning, B. B.....	Harrisburg	Korkamp, Karl.....	Hillsboro
Howell, J.....	Carterville	Korkamp, Lewis.....	Hillsboro
Howells, George.....	Staunton	Kosesky, Abel.....	LaSalle
Hoye, William.....	Braidwood	Krallman, Chas.....	Glen Carbon....
Houbuan, M.....	Herrin	Kramer, Frederick..	Centralla
Hughes, John.....	Decatur	Kramer, Leo.....	Mt. Olive.....
Hutchinson, Ralph....	Barclay	Krepert, William...	Springfield ...
		Krupp, Chas.....	Lebanon
Idle, Hiram.....		Kuehnel, August....	Braceville
Irrer, Daniel.....	Mt. Olive.....	Kunkle, Edward.....	Middletown ...
Jackson, John.....	Marion	Lamar, Frank.....	Worden
Jacobs, Walter.....	Johnson City....	Lamb, George.....	Springfield
Jacobs, Geo. A.....	Streator	Lauder, Frank.....	Cartervillie ...
James, Jonah.....	Grape Creek.....	Langhorn, Edward...	Johnston City..
James, Walter.....	Divernon	Larrick, O. O.....	Divernon
Jaques, Charles.....	Riverton	Lasley, Wm.....	Hallidayboro ..
Jarrell, Edward.....	Harrisburg	Lawson, Arthur.....	Edwardsville ..
Jarnalski, Mike.....	Streator	Lawson, John.....	Cable
Jarrard, John.....	Johnson City....	Lawson, Thomas....	Lake Creek.....
Jasper, John.....	Duquoin	Leach, John.....	Auburn
Jeffries, Thomas R....	Herrin	Ledford, L.....	Ledford
Jeffrey, John.....	Murphysboro....	Lettsom, Wm.....	Seneca
Jenkins, Richard....	LaSalle	Linton, Quincy M...	Giltespie
Jenktus, T. C.....	Murphysboro....	Little, Claud.....	Vandercook ...
Jennins, Wm. M.....	Athens	Little, Wm.....	Herrin
Jeremiah, John J....	Duquoin	Lehwald, Herman...	Springfield ...
Jeten, T. F.....	Roanoke	Lloyd, Rolland B...	Barclay
Johnson, David.....	Oglesby	Loefler, Anton.....	LaSalle
Johnson, Samuel.....	Oglesby	Lofey, Chas.....	Canton
Johnson, James N....	Carterville	Longshore, Harry A.	Duquoin
Johnson, Nele.....	Johnston City...	Lockhart, James M.	Sunfield
Jones, Alex.....	Oglesby	Lore, William.....	Springfield
Jones, Thomas H....	Centralla	Lorden, Michael....	Centralla
Jones, Ben J. (ex.) ..	Coffeen	Lumaghl, Louis F....	Collinsville ...
Jones, John E.....	Paisley	Lyons, Mark.....	Lincoln
Jones, Thomas.....	Lebanon		
Jones, John.....	Duquoin	Macke, Jacob F.....	Ledford
Jones, Willis.....	Springfield	Maitlang, H. S.....	Nashville
Jones, Beni. J.....	Herrin	Malcor, Henry.....	Riverton
Jones, Morgan.....	Coffeen	Malcor, Joseph P....	Spring Valley..
Jones, Robert R.....	Litchfield	Manees, Charles....	Centralla
Jones, Wm. Hy.....	Oglesby	Mann, Jacob.....	Mascoutah
Jones, John O.....	Catlin	Markel, Albert.....	Hillsboro
Jones, David.....	Braceville	Marland, Wm.....	Spartand
Jones, John.....	Westville	Markham, John J....	Taylorville
Jones, Thomas.....	Clark City.....	Mason, Myrick.....	LaSalle
Jones, Thomas.....	Taylorville	Martin, Samuel.....	Glen Carbon..
Jordan, Robert (d) ..	Streator	Martin, William...	LaSalle
Jordan, Alfred.....	St. David.....	Marstelter, J. J.....	Tamaraoa
		Maggs, Jacob.....	Dauville
Kane, J. M.....	Springfield	Massie, Alfred N....	Belleville
Kancy, John.....	Centralla	Massie, J. G.....	Belleville
Kaveny, John R.....	Troy	Matthews, John E....	Riverton
Keating, John P.....		Mee, James.....	Spring Valley..
Kenney, Wm.....	Sparland	Mee, Peter J.....	Spring Valley..
Kepper, Wm.....	Peru	Merkel, Renj.....	Mandoval
Kerchner, John.....	Rolleville	Maync, Thomas.....	Glen Carbon....
Kidd, Wm.....	Witt	Waynard, Thomas...	Wanlock
Kidd, S. A.....	Oglesby	Meyer, B.....	Staunton
Kimball, Ben.....	Ziegler	Meyer, Louis.....	Breese
Kingsley, G.....	Kingston Mines	Myers, Isaac.....	Harrisbrug ...
Kingsley, T.....	Kingston Mines	Midyett, Jesse.....	Hallidayboro ...
Killingworth, Chas. H.	Pinckneyville ..	Millett, John.....	Collinsville ...
Kleist, Theodors.....	Mt. Olive.....	Millett, Thomas...	Troy
Klein, Andrew.....	Streator	Mitchell, Elijah J.	Farmington ...
Klingenfuss, Wm.....	Beleville	Mitchell, T.....	Duquoin
Kloever, Matthew....	Pana	Mitchinson, John....	Hanna City.....
Knapp, Charles.....	Seatonville		

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
son, J. L.	Salem	Nation, Henry C.	Glen Carbon
Alexander	Ridge Prairie	Naylor, T. W.	Glen Carbon
C.	Glen Carbon	Neal, Edward O.	Wolcott
John E.	Staunton	Neill, A.	Spaulding
G. W.	Pawnee	Neill, Warren	Danville
W. W.	New Douglas	Neill, F. C.	Gillespie
J. J.	Lincoln	Neimes, William	St. David
E. B.	Centralia	Newton, Walter	Spring Valley
I. Andrew	Johnson City	Nesbit, Charles L.	Freeburg
A. S.	Sparta	Nestler, Wm.	Spring Valley
John	Blue Mound	Neubauer, Julius	Troy
in, T. P.	Springfield	Neulen, Dennis	Selbytown
Charles	Springfield	Nichelson, Geo.	Tower Hill
Wm.	Harrisburg	Nichols, Eli W.	Dunfermline
St. Thomas	Farmington	Nixon, Robert	Streator
Wm. A.	Springfield	Nordine, John	Bloomington
Thomas	Assumption	Nordner, C. K.	Athens
Daniel S.	Springfield	Noll, Charles	Springfield
Peter	Glen Carbon	Noll, Peter	Belleville
W. M.	Herrin	Nordman, Ferdinand	Breese
John A.	Clark City	Novak, Peter	Minonk
James P.	Centralia	Nye, C. L.	Decatur
John T.	Harrisburg		
Fred	LaSalle	O'Brien, Thomas	LaSalle
E. T.	Georgetown	Oexner, Frank	Belleville
Joseph	Streator	O'Connor, Patrick F.	Paisley
John H.	Wenona	Odum, Wiley	Harrisburg
John L.	Johnson City	Onul, John	Germantown
in, John J.	Springfield	Olson, John	Danville
Thomas	Staunton	Olroyd, Peter W.	Springfield
Boa, Jr.	Livingston	Opp, Sherman W.	Canton
Ich, J.	Staunton	Ormiston, John	Harrisburg
Joseph	Belleville	Owens, Evan	Auburn
en, Peter	Bissel		
Jos.	Worden		
an, Joseph	Springfield		
r, James	Munice		
Andrew	Springfield	Parker, Joseph	Carbon Hill
John	Braidwood	Parker, Will C.	Harrisburg
Michael	Pana	Patton, George A.	Sandoval
Wm.	Westville	Payne, Perry	Litchfield
n, Joe	Pana	Payne, Emanuel	Litchfield
Maurice B.	Odin	Pearson, George	Glen Carbon
or, James	Olvard	Peart, John	Braidwood
He, David	Oglesby	Peart, Jno., Jr.	So. Wilmington
David	Edwardsville	Peck, William	LaSalle
ld, Wm.	Braidwood	Percy, Robert	Tilden
ld, Adam S.	Dalzel	Pelecke, Wm.	Pekin
ld, Archibald	Westville	Petrie, Geo. L.	Collinsville
James	Assumption	Peters, Benjamin	Streator
a, Charles	Carbon Hill	Pettigrew, A.	Roanoke
en, Wm.	Danville	Pettigrew, J.	Roanoke
p, Donald	Carbon Hill	Pettigrew, Robert	Roanoke
lan, Alexander	Springfield	Petty, John	Herrin
lan, John	Springfield	Phelan, Augusta J.	Lincoln
ity, John	Springfield	Phelps, George	Herrin
de, Alex. C.	Canton	Phillips, Benjamin	Kangley
de, Hugh (d)	Springfield	Pick, Edward	Central City
ey, Albert	Springfield	Pickett, J. W.	Spring Valley
hlin, John P.	Auburn	Pickering, John L.	Harrisburg
hlin, Patrick	Chatham	Pickon, Felix	Danville
e, George	Mascoutah	Pickton, John L.	Farmington
John	Springfield	Pickus, August	Decatur
hlin, Wm.	Duquoin	Pierard, Edward	Coal City
Wm. F.	Ilco Junction	Pinson, Samuel	Coffeen
aman, John	Westville	Prankie, A. H.	Pana
aman, Edward	Westville	Plumber, Arthur	Duquoin
Roderick	Belleville	Preval, Fred	Springfield
r, Arthur	Wenona	Price, Fred W.	Edinburg
G. R.	Sorento	Petrie, Joseph	Belleville
n. Robert	Sunfield	Poole, Robert H.	Belleville

Mine Examiners, Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
James.....	Canton	Warfington, Frank.....	Divernon
'm.....	Sherrard	Waugh, Robert.....	Herrin
a, Wm. C.....	Belleville	Watson, Thomas.....	Central City
Joseph.....	Glen Carbon	Watson, John A.....	Carterville
, J.....	Kewanee	Watson, John.....	Worden
, Wm. H.....	Harrisburg	Watson, James B.....	Carterville
, Clarence S.....	Harrisburg	Watt, William.....	Petersburg
		Wendler, Adelbert.....	Glen Carbon
		Westwood, F. T.....	Belleville
Henry H.....	Central City	Westwood, Joseph E.....	Staunton
E. B.....	Hillsboro	Whalen, Michael.....	Greenridge
m, Wm. H.....	Carterville	White, Louis.....	Spring Valley
m, Wm. C.....	Carterville	White, John.....	Pana
James.....	Litchfield	White, William H.....	Riverton
I, Ira.....	Herrin	Whitecamper, Louis.....	Lincoln
ohn.....	Coal City	Whitehead, Edward.....	Farmington
John R.....	Spring Valley	Wilkinson, George B.....	Bissell
D. J.....	Riverton	Wetherell, James.....	Ladd
W. J.....	Spring Valley	Wigham, William G.....	Sparta
Wm. J.....	Divernon	Willard, Charles S.....	Glen Carbon
n, Wm.....	Mt. Olive	Williams, C. C.....	Oglesby
Joseph, Sr.....	Trenton	Williams, John.....	Belleville
David Z.....	Hanna City	Williams, James.....	Livingston
David S.....	Hanna City	Williams, T. J.....	Cardiff
David.....	Canton	Williams, Anthony.....	Centralla
Henry.....	Centralla	Williams, William H.....	Edinburg
eo.....	Belleville	Williams, William F.....	Pekin
William L.....	O'Fallon	Williams, E. A.....	Carterville
ns, Frank.....	St. David	Williamson, Jacob H.....	Bissell
Fred.....	Glen Carbon	Williamson, Jacob.....	Bissell
Wm.....	Zeigler	Wilson, Henry, ex.....	Pana
Martin.....	Bened	Wilson, J. M.....	Springfield
eo, H.....	Cuba	Wilson, Edwin.....	Belleville
Joseph.....	Johnson City	Williams, William B.....	Streator
og, Walter.....	Carterville	Williams, Thomas.....	Kinmundy
Daniel.....	Thayer	Wilson, Henry.....	Pana
		Winterbottom, John.....	Sparta
		Winterbottom, J. G.....	Sparta
se, Luke.....	Willerville	Winning, W. W.....	Carterville
		Wonderlick, John.....	Marion
		Wood, William.....	Streator
Edward.....	Glen Carbon	Wood, Henry.....	Troy
Hills.....	Kinmundy	Woodson, William B.....	Springfield
man, Norman.....	Peoria	Worthington, Hillard.....	Fallidayboro
, John.....	Lincoln	Wright, Ed. J.....	Reeves
ries.....	Litchfield	Wright, David.....	Carlinville
		Wright, Robert E.....	Equality
		Wright, William C.....	Centralla
		Wright, Thomas.....	Belleville
Walter.....	Spring Valley		
Charles.....	Oglesby	Yacop, George.....	Streator
James.....	Marion	Yenn, William.....	Gillespie
avid E.....	Divernon	Young, Mancy J.....	Canton
E.....	Divernon		
John.....	Carterville		
ohn G.....	Streator		
obert, ex.....	Streator		
Vilson.....	Paisley	Zager, William.....	Lomburg
John.....	Marion	Zink, P. J.....	Belleville

MINE EXAMINERS, CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Stephen.....	Kangley	Berg, Frank.....	Mt. Olive
		Boulton, Henry.....	Coal City
r, George W.....	Virden	Bough, William.....	Dawson
n, George.....	Streator	Breaks, Peter.....	Taylorville
		Brown, John.....	Streator

Mine Examiners, Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Caveny, Edward.....	Pana	Moffett, Edward A.....	Bartonville
		Montgomery, John H....	Gardner
Davis, Thomas.....	Nilwood	Mooney, Arthur.....	Kangley
		McDonald, M. E.....	LaSalle
Frenzen, Mat.....	Girard	Ross, S. H.....	Girard
Gray, William.....	Streator	Schmidt, Ernest.....	Mt. Olive.....
Griffin, John.....	Niantic	Schultz, John.....	Diamond
		Shaw, Francis M.....	Hallidayboro ...
Hall, John Herbert.....	Minonk	Shopman, John.....	Mt. Olive.....
Hoesfield, Aaron.....	Oglesby	Siebenhauer, Wm.....	LaSalle
Hornanor, Paul.....	Lincoln	Sloufskie, Herman.....	Decatur
Hughes, John.....	Decatur	Stewart, Samuel.....	Coal City.....
Humphreys, William....	Clark City.....		
Jenkins, Rutland.....	LaSalle	Taylor, Samuel.....	O'Fallon
		Thomas, David.....	Canton
Kneper, David.....	Girard	Ward, Robert.....	Streator
Kopps, August.....	Girard	Wilson, Archie.....	Clarke City.....
Kortcamp, Carl.....	Hillsboro	Wilson, John.....	Gardner
Kortcamp, Lewis.....	Hillsboro	Wood, Henry.....	Streator
Lewis, Edward.....	Ladd		

EIGHTH ANNUAL REPORT

OF THE

Bureau of Labor Statistics

OF THE

Illinois Free Employment Offices

FOR THE

YEAR ENDED OCTOBER 1, 1906.

[Established August 2, 1899.]

DAVID ROSS, Secretary, Springfield.



SPRINGFIELD, ILLINOIS
PHILLIPS BROS., STATE PRINTERS.

1907

EIGHTH ANNUAL REPORT OF THE ILLINOIS FREE EMPLOYMENT OFFICES, 1906.

[*Established August 2, 1899.*]

This is the eighth annual report of the free employment offices of the State, and presents the work of these offices for the year ending September 30, 1906. There are four of these offices maintained by the State; three in Chicago and one in Peoria. The Chicago offices were established in August, 1899; the Peoria office in July, 1901. The work of these offices for the past year has increased over that of any previous year. The number of persons registering for employment during the past year was 57,489; for the year previous the number was 45,323; this shows a gain of 12,166 or 26.84 per cent. The number of positions secured was 53,617; the year previous the number was 39,598, showing a gain for this year of 14,019 or 35.4 per cent. While this marked increase appears for those seeking employment there has been a greater increase in the demand from employers for help, for the past year 60,908 employers made application for help; for the previous year the number was 44,577, showing an increase of 16,331 or 36.64 per cent.

These numbers of course represent only the persons whose names are enrolled on the books, while in addition, there are perhaps many times the number who call at these offices and ask numerous questions. So it will be evident that the persons in charge of these offices are kept busy during all of the office hours of each day.

Some criticisms have been made in different quarters that persons applying for employment at these offices are not of the skilled class of workers, but are merely common laborers. Such criticisms are unjust and wholly erroneous, as may be seen by an examination of the classifications of occupations shown in these reports.

It is found and shown in table 16 that of the males registered during the year for positions such occupations classed as clerical, commercial, professional, trades and transportations, 6,372 were secured positions; last year in the same occupations 3,535 obtained positions. For females in the same occupations, excepting transportation, positions were secured during this year for 720, last year the number was 580. Considering both sexes the total number was 7,092 who were secured positions in occupations demanding more or less trained ability.

My experience in this line shows that some men seeking release will write letters promising to do all that is good, and are willing to work at anything. The fact is, that after securing their release, they do everything that is bad, and are very hard to satisfy with work.

"You can readily see that no person wants to employ anyone, unless they will work and do what is right. More is expected of a man on parole than of others. He is watched closer and justly so. Therefore it is quite an effort to find place after place for such persons. They come to us strangers, and invariably without home or friends, except the State. It is impossible, in every case, to procure a home or even a position for them. We must see the man, what his physical condition is and his apparent ability to do this or that kind of work. His disposition shows itself almost upon our first conversation. Then the question comes, who should be asked to employ this fellow, and where is he to room and board. Few employers give board.

"The prisoners from Pontiac have only \$5.00 and one suit of clothes, which, if he is to work in it, will soon be so that he is ashamed to appear in any house of worship. If his desire to do so is thus prevented, it is perhaps the beginning of a new acquaintance with evil. How many working clothes can he buy with \$5.00, and pay board until his first pay day, which in some cases is a month, and nearly always two weeks? Will they be trusted for this with their record? In many cases they are only capable of filling the most menial positions. Consequently it takes a long time before they can get a good supply of clothing, and established in a good home, unless fortunate enough to secure a place where room and board is given with the work.

"A bond of sympathy exists between ex-convicts and it is hard to keep them apart. They help each other, but people who know them are suspicious. The gathering of two or three of them sometimes causes their arrest on suspicion; their absence from work and their discharge follows, which creates a fear of being returned for violation, and they run away. Some steal from their fellow employés, who expect to reimburse them, which can not be done. Others are arrested for violations, which cause a fine, which if not paid, means a short time in jail or the house of correction. To return a man for such an offense would be more of a crime than the one committed by him, even if it may be a technical violation of his parole agreement. Others are tormented by those whom they may have owed some money. This sometimes causes the loss of their positions. Some become sick, and others are sued for divorce. In some cases, a convict's punishment is harder on parole than when confined in the penitentiary. He signs an agreement, the conditions of which, any of us would find hard to perform. When we consider the temptations which confront them in a city like this, I am surprised that so many of them manage to get a final discharge.

"There are some of course who object to our method of parole, but I must say that on the whole, giving it my personal attention, there are many men on parole through this office, who sincerely appreciate what the State is doing for them, and in return are leading exemplary lives. I believe it is the duty of every state who releases prisoners on parole to help them all that is possible. It is easy to be a hard task-master, and quite a hard punishment for a person to live with such for one year. This often causes violations which do not occur by our methods.

"When confinement following conviction is for reformation, rather than cruel treatment, I say everyone released on parole or by final discharge, should be given a working suit of clothes, shoes and underwear, in addition to what they get now. Also the means of getting board for at least two weeks, and this should apply to a second release on parole as well as the first. Their work while confined should be used to make such provisions.

"Some will violate, no matter how well we treat them, but the majority should not suffer on their account. I have had six returned for violations; have attended to all cases in court myself, heard the evidence, and considered it just to cause their return, because their actions are very detrimental to those who will do right.

"An employer who sees that we look after these fellows will still give others a chance, when if no heed was given their conduct, our ability to find work for this class would soon terminate.

"I have given you so much detail, because of the agitation for and against the indeterminate sentence act. I am of the opinion that the work thus instituted by Governor Deneen has been a success, but would be more successful when someone can be provided to visit the places of employment and discover whether the statements made in the parole reports are correct.

"Considerable of this is now done by the police, who do it conscientiously. But the very fact that a police officer is looking for information about one's employes, causes somewhat of a skepticism, which tends to injure the chances of the employe to retain his position. Inquiries made by others than the police do not cause the same fear."

The following is a summary of the work accomplished by the four State free employment offices for the year ended September 30, 1906:

TABLE I—*Showing the Combined Business of the Four Offices for the Year Ended Oct. 1, 1906.*

OFFICES. (Three in Chicago, one in Peoria.)	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
	Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
North Side Office—Males.....	6,225	6,013	212	6,358	345
North Side Office—Females.....	4,386	4,286	100	5,725	1,439
Both sexes.....	10,611	*10,299	312	12,083	1,784
South Side Office—Males.....	12,305	11,535	770	13,313	1,778
South Side Office—Females.....	4,402	4,323	79	6,231	1,906
Both sexes.....	16,707	†15,858	849	19,544	3,686
West Side Office—Males.....	15,372	14,074	1,298	14,237	163
West Side Office—Females.....	3,797	3,102	695	4,064	992
Both sexes.....	19,169	17,176	1,993	18,331	1,155
Peoria Office—Males.....	8,121	7,798	323	8,169	371
Peoria Office—Females.....	2,881	2,486	395	2,781	295
Both sexes.....	11,002	†10,284	718	10,950	666
Total Males—Four offices.....	42,023	39,420	2,603	42,077	2,657
Total Females—Four offices.....	15,466	14,197	1,269	18,831	4,634
Both sexes.....	57,489	§53,617	3,872	60,908	7,291

* Of this number 291 males and 109 females, a total of 400 were secured positions on applications filed last year.

† Of this number 681 females were secured positions on applications filed last year.

‡ Of this number 73 males and 29 females, a total of 102 were secured positions on applications filed last year.

§ Of this number 364 males and 819 females, a total of 1,183 were secured positions on applications filed last year.

The efficiency of these agents of the State, in securing positions and thereby assisting people of all classes in obtaining employment, can be better illustrated by showing the increased results of each office for this year over that of last year.

The three offices in Chicago, combined, secured for applicants 32.23 per cent more positions this year than last; the north side office increased 28.34 per cent, the south side office 24.82 per cent, the west side office 34.35 per cent, the Peoria office 50.56 per cent. This increase is indeed very gratifying and shows an increasing demand from employers calling for all classes of help, also a like increase in the number of employés who are securing positions, both employer and employé being served in this respect without cost to either party.

A better reading of the numbers shown in table I is presented by percentages in the following table:

TABLE 2—*Percentages of Applicants for Employment and for Help and Positions Secured by Each of the Four Offices for the Year.*

OFFICES.	PERCENTAGES OF—					
	APPLICATIONS FOR EMPLOYMENT.		APPLICATIONS FOR HELP.		POSITIONS SECURED.	
	Males.	Females.	Males.	Females.	Males.	Females.
North Side Office.....	58.67	41.33	52.62	47.38	58.38	41.62
South Side Office	73.65	26.35	68.12	31.88	72.74	27.26
West Side Office.....	80.19	19.81	77.67	22.33	81.94	18.06
Peoria Office.....	73.81	26.19	74.60	25.40	75.83	24.17
The four offices	73.10	26.90	69.08	30.92	73.52	26.48

Of the applications of those registering and desirous of securing employment 73.10 per cent were males and 26.9 per cent females. Of the number of employers seeking help 69.08 per cent wanted males and 30.92 per cent females. The last two columns of the table show the work of each of the four offices in placing applicants for employment in positions for work. The west side office shows that 81.94 per cent of the positions secured were for males, the Peoria office 75.83 per cent; the south side office 72.74 per cent and the north side office 58.38 per cent.

For positions secured for female applicants for employment, the north side office shows 41.62 per cent, being a much larger proportion than either of the other offices; the West Side office gives the lowest per cent. For all the offices the proportion of positions secured was for males, 73.52 per cent; for females, 26.48 per cent.

Considering the applications of those registering for employment, and the employers calling for all kinds of help, the following table

of percentages shows the proportion of positions secured applicants for employment, and the same for help furnished to employers:

TABLE 3—*Percentages of Positions Secured and Percentages of Help Furnished, both Male and Female.*

OFFICES.	PERCENTAGES OF POSITIONS SECURED APPLICANTS FOR EMPLOYMENT.			PERCENTAGES OF APPLICATIONS FOR HELP FURNISHED.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
North Side Office	96.59	97.72	97.06	94.57	74.87	85.24
South Side Office,	93.74	98.20	94.92	86.64	69.38	81.14
West Side Office	91.56	81.70	89.60	98.86	75.77	93.70
Peoria Office	96.02	86.29	93.47	95.46	89.39	93.92
The four offices	93.81	91.79	93.26	93.69	75.89	88.03

Of the 42,023 male applicants for employment 93.81 per cent were sent to positions; this work of the different offices ranges from 91.56 per cent at the West Side office to 96.59 per cent at the North Side office. For females: of the 15,466 applicants 91.79 per cent were placed in positions; as to the accomplishment by the different offices the range was from 81.70 per cent at the West Side office, to 98.21 per cent at the South Side. For both sexes 93.26 per cent were secured positions.

Observing the columns of percentages of help furnished to the employers, it will be seen that the range of services of the different offices for males was from 86.64 per cent at the South Side office to 98.86 per cent at the West Side; for the four offices 93.69 per cent of the employers applying were furnished help. In this respect for females the percentages range much lower; however, a very satisfactory showing; the lowest per cent in Chicago being 69.38 at the South Side, to 75.77 per cent at the West Side, while the Peoria office shows 89.39 per cent. For both sexes the range in furnishing help was from 81.14 per cent at the South Side to 93.92 per cent at the Peoria office, and for all of the offices 88.03 per cent.

RECORD FOR SEVEN YEARS.

For the purpose of showing the results attained by all of the offices since their establishment, seven complete years, two tables are presented. The first table is as follows:

TABLE 4—*Classified Occupations of Males with Percentages for Seven Years.*

CLASSES OF OCCUPATIONS.	Number of occupations in each class	NUMBER OF APPLICATIONS FOR—		Number of positions secured	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
Totals—seven years..		193,219	194,285	167,543	86.71	86.92
NOT CLASSIFIED, 1906	384					
NOT CLASSIFIED PREVIOUS YEAR'S 84,965				5,329		
AGRICULTURAL		9,043	9,406	8,057	89.10	85.65
1900.....	5	962	1,008	919	95.53	91.17
1901.....	5	727	841	686	94.36	81.57
1902.....	6	1,396	1,469	1,210	86.68	82.37
1903.....	6	1,152	1,268	1,009	87.59	79.70
1904.....	7	1,330	1,339	1,124	84.51	84.01
1905.....	8	1,738	1,707	1,511	86.94	88.52
1906.....	7	1,738	1,777	1,598	91.94	89.69
CLERICAL.....		3,539	1,351	1,301	36.76	96.30
1900.....	7	320	43	39	12.19	90.70
1901.....	7	160	21	17	10.63	90.95
1902.....	11	606	194	198	30.92	96.91
1903.....	12	490	123	111	25.91	90.24
1904.....	12	613	191	199	30.42	96.43
1905.....	12	651	296	290	44.55	97.97
1906.....	9	752	483	468	62.23	96.89
COMMERCIAL		6,296	4,290	3,393	53.87	79.09
1900.....	22	1,922	806	509	26.49	63.00
1901.....	22	802	346	276	34.41	79.77
1902.....	17	1,218	960	826	67.82	86.04
1903.....	14	607	556	425	70.02	76.43
1904.....	14	482	391	305	63.29	80.06
1905.....	12	647	638	500	77.26	79.62
1906.....	12	620	611	552	89.03	90.34
DOMESTIC SERVICE.....		27,057	24,157	22,932	84.75	94.69
1900.....	12	4,242	3,335	3,198	75.37	95.74
1901.....	12	2,103	1,927	1,697	80.69	89.08
1902.....	11	4,100	3,796	3,539	86.31	92.23
1903.....	11	4,554	4,287	3,972	87.23	92.65
1904.....	10	3,108	2,690	2,565	82.53	97.52
1905.....	10	3,738	3,299	3,206	85.77	97.19
1906.....	11	5,212	4,893	4,761	91.33	97.60
MANUAL LABOR.....		86,503	95,876	89,906	97.00	97.70
1900.....	3	5,708	7,326	5,607	98.23	76.54
1901.....	4	4,172	7,696	6,905	95.67	76.81
1902.....	2	12,840	15,915	12,230	95.69	73.13
1903.....	3	12,543	15,067	13,111	96.77	87.09
1904.....	4	10,497	11,450	10,104	96.27	89.26
1905.....	3	16,243	16,666	15,722	96.79	94.34
1906.....	4	20,495	21,574	20,225	98.69	93.74

Table 4—Concluded.

CLASSES OF OCCUPATION.	Number of occupations in each class	NUMBER OF APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
PROFESSIONAL.....	.....	238	137	126	52.94	91.97
1900.....	14	61	18	16	26.23	88.89
1901.....	9	39	21	19	48.72	90.48
1902.....	4	23	16	15	65.22	93.75
1903.....	5	31	14	14	45.16	100.00
1904.....	5	22	11	11	50.00	100.00
1905.....	4	13	9	8	61.54	88.89
1906.....	6	49	48	43	87.76	89.58
TRADES.....	.....	17,661	12,408	9,930	56.23	80.03
1900.....	82	2,974	1,262	1,042	35.04	82.57
1901.....	88	1,645	1,083	812	49.36	74.96
1902.....	70	2,660	1,982	1,618	60.83	81.63
1903.....	70	2,362	2,027	1,555	65.83	76.71
1904.....	66	1,959	1,016	819	41.81	80.61
1905.....	73	2,683	1,760	1,489	55.50	84.60
1906.....	70	3,378	3,278	2,595	76.82	79.16
TRANSPORTATION.....	.....	14,532	12,776	11,544	79.44	90.36
1900.....	17	2,232	1,579	1,433	64.20	90.75
1901.....	14	1,354	1,260	981	72.45	77.86
1902.....	11	2,726	2,570	2,230	81.80	86.77
1903.....	13	2,092	2,050	1,782	85.18	86.93
1904.....	11	1,561	1,242	1,156	74.06	93.08
1905.....	12	1,576	1,260	1,248	79.18	99.05
1906.....	10	2,991	2,815	2,714	90.74	96.41
MISCELLANEOUS.....	.....	28,347	24,084	21,024	74.17	87.29
1900.....	28	2,721	1,371	1,277	46.93	93.14
1901.....	37	1,645	1,107	899	54.65	81.21
1902.....	33	3,586	3,340	2,543	70.91	76.14
1903.....	38	4,638	4,568	3,695	79.67	80.92
1904.....	31	4,186	3,368	3,039	72.60	90.29
1905.....	45	4,784	3,728	3,471	72.55	93.16
1906.....	53	6,787	6,608	6,100	89.88	92.31

The foregoing does not contain the work of the Chicago offices operated for the fractional part of the year 1899, nor for that of the Peoria office for three months in the year 1901.

Reading the first line of the totals of the table it is found that 193,219 males have registered during the seven years as applicants for employment, and that during the same period 184,285 employers registered as wanting help, while 167,543 of those wanting employment were placed in positions. The two last columns give for the seven years and for each class, the percentages of the applicants for employment who have been placed in positions, and of the employers who have secured help. From the totals given it is shown that 86.71 per cent secured positions and 90.92 per cent of the employers obtained help.

Among the classes of occupations here shown that of clerical service shows the lowest percentage of applicants securing employment, yet the highest percentage of help furnished to employers.

Attention is called to the large percentages of positions secured, during the series of years, to the numbers who have been classed under the occupations as agricultural, comprising farm hands, gardeners, harvest hands, stock men, etc. Domestic service, such as cooks, housemen, porters, etc., and manual labor, which includes laborers of all kinds, also railroad laborers; these three classes represent 63.5 per cent of the total number seeking work, 93.7 per cent of whom were given employment. A similar presentation is made for females, and shown in five separate classes and a miscellaneous class:

TABLE 5—*Classified Occupations of Females, with Percentages—for Seven Years.*

CLASSES OF OCCUPATIONS.	Number of occupations in each class.	NUMBER OF APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
Totals, seven years .....	.....	97,742	115,041	70,778	92.88	78.91
Not classified, 1906 819 {	.....	.....	.....	3,304	.....	.....
Not classified, previous year. 2,495 }	.....	.....	.....	.....	.....	.....
CLERICAL.....	.....	1,885	727	586	31.09	80.31
1900.....	5	188	62	59	31.38	95.16
1901.....	4	145	86	34	23.45	94.44
1902.....	4	347	121	93	26.80	76.86
1903.....	3	302	100	82	27.15	82.00
1904.....	3	363	120	115	31.68	95.83
1905.....	3	274	110	98	35.77	89.09
1906.....	3	266	178	105	39.47	58.99
COMMERCIAL.....	.....	1,479	1,347	795	53.75	59.02
1900.....	9	282	137	106	37.59	77.37
1901.....	9	120	111	44	36.67	39.64
1902.....	9	219	310	103	47.03	33.23
1903.....	13	181	158	96	53.04	60.76
1904.....	12	157	131	72	45.86	54.96
1905.....	9	222	225	155	69.82	68.89
1906.....	13	298	275	219	73.49	79.64
DOMESTIC SERVICE.....	.....	86,174	102,269	79,345	92.08	77.58
1900.....	17	14,388	17,321	13,983	97.19	80.73
1901.....	20	9,730	11,408	8,981	92.30	78.73
1902.....	19	12,857	14,919	11,864	92.28	79.52
1903.....	23	12,433	15,746	11,461	92.18	72.78
1904.....	21	12,001	13,278	11,037	91.96	83.12
1905.....	19	11,480	13,293	10,391	90.51	78.17
1906.....	22	13,285	16,297	11,628	87.53	71.36

Table 5—Concluded.

CLASSES OF OCCUPATIONS.	Number of occu- pations in each class.	NUMBER OF APPLICATIONS FOR—		Number of positions se- cured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employ- ment.	Help.		Appli- cants for employ- ment.	Appli- cants for help.
PERSONAL SERVICE .....	.....	125	67	49	39.20	73.13
1900	3	25	1	1	4.00	100.00
1901	3	21	9	7	33.33	77.78
1902	3	16	9	8	50.00	88.89
1903	4	18	14	9	50.00	64.28
1904	4	21	13	12	57.14	92.31
1905	3	10	4	3	3.00	75.00
1906	3	14	17	9	64.29	52.94
PROFESSIONAL .....	.....	1,763	1,722	1,336	75.78	77.58
1900	5	391	337	286	73.14	84.87
1901	2	245	240	188	76.73	78.33
1902	3	255	262	200	78.43	76.34
1903	3	187	209	147	78.61	70.33
1904	3	254	220	180	70.87	81.82
1905	3	215	224	174	80.93	77.68
1906	2	216	230	161	74.54	70.00
TRADES .....	.....	1,064	1,399	834	78.39	59.61
1900	8	144	210	116	80.56	55.24
1901	7	93	115	62	66.67	53.91
1902	4	138	190	95	68.84	50.00
1903	5	119	149	73	61.34	48.99
1904	2	116	168	100	86.21	59.52
1905	5	194	250	153	78.87	61.20
1906	5	260	317	235	90.38	74.13
MISCELLANEOUS .....	.....	5,252	7,607	4,529	86.23	59.54
1900	7	389	725	346	88.95	47.72
1901	7	296	409	251	84.80	61.37
1902	12	911	1,444	749	82.22	51.87
1903	4	856	1,237	751	87.73	60.71
1904	9	818	1,155	680	83.13	58.87
1905	12	855	1,120	731	85.50	65.27
1906	16	1,127	1,517	1,021	90.59	67.30

The total number of female applicants for employment for the seven years was 97,742; employers, 115,041; positions secured, 90,778. Of the applicants for employment 92.88 per cent secured places, filling 78.91 per cent of help wanted. The class shown as domestic service which embraces 20 or more different occupations, represents 88.2 per cent of all the applications for employment; 92.1 per cent secured places, which filled 77.59 per cent of those seeking help.

The total of both sexes for the seven years, was 290,691 applicants for employment and 299,326 for help; while 258,321 were placed in positions. Of the whole number of applicants for employment 88.78 per cent secured positions, thus furnishing 86.31 per cent of the applications for help.

The table just considered, regarding applications for employment has been summarized to show the total for each year, both sexes, and is presented in Table 6, which follows:

TABLE 6—*Number of Applications for Employment and Positions Secured, for Seven Years.*

YEAR.	APPLICATIONS FOR EMPLOYMENT.					
	NUMBER FILED.			NUMBER OF POSITIONS SECURED.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
1900—3 offices.....	21, 142	15, 807	36, 949	15, 322	15, 896	31, 218
1901—3 offices.....	14, 647	10, 650	25, 297	12, 748	10, 018	22, 766
1902—4 offices.....	30, 157	14, 743	44, 900	26, 661	13, 520	40, 181
1903—4 offices.....	29, 414	14, 096	43, 510	26, 335	12, 892	39, 227
1904—4 offices.....	23, 763	13, 730	37, 493	19, 405	12, 319	31, 724
1905—4 offices.....	32, 073	13, 250	45, 323	27, 652	11, 946	39, 598
1906—4 offices.....	42, 023	15, 466	57, 489	39, 420	14, 197	53, 617
Totals—7 years	*193, 219	†97, 742	290, 961	167, 543	90, 788	258, 331
1900—3 offices, 9 weeks	9, 825	3, 272	13, 097	3, 752	2, 745	6, 497
1901—Peoria office, 3 months	1, 677	631	2, 308	877	353	1, 230
Totals	11, 502	3, 903	15, 405	4, 629	3, 098	7, 727
Grand totals	204, 721	101, 645	306, 366	172, 172	93, 886	266, 058

* Includes 4, 042 filed in previous years, 1901-1906.

† Includes 2, 651 filed in previous years, 1901-1906.

Considered by years it will be seen that the applications of males for employment has increased more than 30 per cent over last year, and nearly 100 per cent over the year 1900. The increase in the number of females, in this respect, over last year was 17 per cent. For positions secured to males, the increase this year over last was 42.56 per cent; for females 18.7 per cent; for both sexes 35.4 per cent.

The increase in the number of positions secured this year for both sexes is 71.75 per cent more than for the year 1900. A similar table is shown for the applications for help for seven years:

TABLE 7—*Number of Applications for Help, and Positions Secured for Seven Years.*

YEAR.	APPLICATIONS FOR HELP.					
	NUMBER FILED.			NUMBER OF POSITIONS SECURED.		
	Males.	Females.	Total.	Males.	Females.	Totals.
1900—3 offices.....	16,749	18,793	35,542	15,322	15,896	31,218
1901—3 offices.....	14,294	12,329	26,623	12,748	10,018	22,766
1902—4 offices.....	30,243	17,254	47,497	26,661	13,520	40,181
1903—4 offices.....	29,946	17,613	47,559	26,335	12,892	39,227
1904—4 offices.....	21,625	15,085	36,710	19,405	12,319	31,724
1905—4 offices.....	29,351	15,226	44,577	27,652	11,946	39,598
1903—4 offices.....	42,077	18,831	60,908	39,420	14,197	53,617
Totals—7 years.....	184,285	115,131	299,416	167,543	90,788	258,331
1899—3 offices, 9 weeks.....	6,103	4,267	10,370	3,752	2,745	6,497
1901—Peoria office, 3 months.....	1,028	473	1,501	877	353	1,230
Totals.....	7,131	4,740	11,871	4,629	3,098	7,727
Grand totals.....	191,416	119,871	311,287	172,172	93,886	266,058

Regarding the applications for male help this year it will be seen that the number is almost identical with the number seeking employment, and is also over 151 per cent more than seven years ago. For female help the number wanted this year was about the same as for the year 1900. The number of both sexes for whom positions were secured was 71.75 per cent more than for 1900 and 33.44 per cent more than the greatest number of any previous year.

matter contained in Tables 6 and 7 are reduced to percentages own in the following table:

8—Percentages of Positions Secured for Employés and Employers, by Years.

YEAR.	POSITIONS SECURED EMPLOYES.			HELP FURNISHED EMPLOYERS.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
.....	72.47	100.56	84.49	91.48	84.58	87.83
.....	87.03	94.07	89.99	89.18	81.26	85.51
.....	88.41	91.70	89.49	88.16	78.35	84.60
.....	89.53	91.46	90.16	87.94	73.20	82.48
.....	81.66	89.72	84.61	89.73	81.66	86.42
.....	86.22	90.16	87.37	94.21	78.46	88.83
.....	93.81	91.15	93.26	93.69	75.89	88.03
7 years	86.71	92.89	88.79	90.92	78.86	86.28
ee offices, 9 weeks	38.19	83.89	49.61	61.48	64.33	62.65
ria office, 3 months	52.30	55.94	53.29	85.31	74.63	81.95
99 to Oct. 6, 1906	84.10	92.37	86.84	89.95	78.32	85.47

is shown in contracted form the result or accomplished work free employment offices of the State for a series of seven years. positions secured to applicants of both sexes for employment from 84.49 per cent of the whole number in 1900, to 93.26 per r the present year, or 88.79 per cent for the seven years. This an average of only 11 per cent who were not placed in positions ny different reasons. Another feature of this showing is that ers were furnished male help supplying requests ranging from per cent in 1903 to 94.21 per cent in 1905, supplying the de- with 90.92 per cent for the seven years. For females 78.86 per the wants were accommodated during the series of years shown. help wanted, both sexes, the showing is that 86.28 per cent erved with the assistance sought for. preceding tables 4 and 5 presen a classification of industries ch applications of employer and employé were made, and in positions had been secured and help furnished for both males males. These classifications have been divided into two classes yled skilled and unskilled. It is understood and recognized e offices that employers in many industries require help that is or less skilled or experienced in these occupations or with the s indicated. On the other hand the offices gain some kuowledge ability and experience of the applicants for positions, which them to act intelligently on these subjects, as the agent or ntative of both the employer and employé.

The classes of occupations in industries which have been grouped as skilled are shown in the following table for a series of seven years.

TABLE 9—Skilled Labor, Males and Females. Number of Applicants for Employment and Help. Positions Secured, with Percentage. Seven Years.

CLASSIFICATION—SKILLED.	NUMBER OF APPLICANTS FOR—		Number of positions secured.	PERCENTAGE OF POSITIONS OBTAINED FOR	
	Employment.	Help.		Employment.	Help.
Seven years—Males	21,730	18,185	11,730	53.25	
Clerical	3,530	1,331	1,331	36.76	
Commercial	6,208	4,208	2,338	36.57	
Professional	238	187	125	53.36	
Trades	17,625	12,458	9,936	56.34	
Seven years—Females	6,191	5,185	3,551	57.36	
Clerical	1,956	727	385	31.09	
Commercial	1,479	1,367	785	53.75	
Professional	1,703	1,722	1,335	78.78	
Trades	1,064	1,389	936	78.38	
Both sexes	28,921	23,371	15,281	54.00	

The table represents both sexes in four similar occupations, giving the number seeking employment and the number wanting help, also the number securing positions, and consequently, furnishing help wanted, finally the results accomplished are shown by percentages. This grouping showing four particular industries or callings, is derived from table 16 of this report and similar tables presented each year. For instance, in Table 16 of this report, under the head of "clerical" is grouped nine different kinds of clerical positions; last year there were twelve; and so on in each of the four classes. With this explanation, attention is directed to the two columns of percentages; in the first column for males, the consequence was that positions were secured for employes, ranging from 36.76 per cent for clerical service to 56.34 per cent for persons having knowledge in some distinct trade or calling. While for the four classes 53.25 per cent secured positions. For females the range was from 31.09 per cent in clerical service to 78.38 per cent in trades, and 57.36 per cent for all classes, and for both sexes 54 per cent. In the second column is shown the percentage of assistants supplied to employers. For male help the percentages are much greater in all four classes of employment, ranging from 8.11 per cent in trades to 96.3 per cent for clerical service, resulting in 81.11 per cent for all classes. The demand for female help in these occupations, except in professional service, is very considerably greater than for males; the greater percentage being for clerical services; in the four classes, 68.35 per cent appears. For both sexes the percentage is 78.27 per cent.

For positions secured to applicants for employment and for help in pursuits termed herein as unskilled, the following is compiled for a series of seven years:

TABLE 10—*Unskilled Labor, Males and Females, Number of Applicants for Employment and Help. Positions Secured, with Percentages for Seven Years.*

CLASSIFICATION—UNSKILLED.	NUMBER OF APPLICANTS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
	Employment.	Help.		Employment.	Help.
Seven years—Males.....	165,519	166,000	147,464	89.91	88.78
Agricultural.....	9,079	9,406	8,057	88.74	85.65
Domestic service.....	27,058	24,157	22,933	84.75	94.93
Manual labor.....	86,508	95,676	83,906	97.00	87.70
Transportation.....	14,532	12,776	11,544	79.44	90.36
Miscellaneous.....	28,347	24,064	21,024	74.17	87.29
Seven years—Females.....	91,551	100,846	83,923	91.67	76.40
Domestic service.....	86,174	102,262	79,345	92.08	77.59
Personal service.....	125	67	49	39.20	73.13
Miscellaneous.....	5,252	7,517	4,529	86.23	60.25
Both sexes.....	257,070	275,945	231,387	90.01	83.85

Here is shown in four classes of occupations for males and two for females, with a miscellaneous class in each, the final results of all of the offices in supplying the wants of both employé and employer, with what has been classed as unskilled labor.

It is freely conceded here that in this classification many of the industries embraced in the abridgment might well be included as skilled labor; this is especially true, to a certain degree, as to domestic service and manual labor, in both of which it is often found that persons seeking such employment possess aptness and ability amounting to expert knowledge in many branches of service classed under these headings, all of which is required and demanded by the employer. Of the whole number of males applying for employment it is found that 68.61 per cent was for domestic service and manual labor; of this number 94.1 per cent secured positions. For employers the experience is nearly similar, 72.15 per cent of the whole number wanted this class of help and 89.16 per cent were successfully supplied. Considering females in domestic service, 92.08 per cent of the applicants secured positions, furnishing 77.59 per cent of employers with this class of help. Regarding both sexes it will be seen that 90 per cent of the whole number applying for employment secured positions, thus affording help to 84 per cent of the employers.

APPLICATIONS FOR EMPLOYMENT.

The applications for employment for both males and females, registered in the four offices during the year, with classified occupations i shown in the following table:

TABLE 11—Applications for Employment—Work of all the Offices—Three in Chicago, One in Peoria.

MALES.					
Number.	OCCUPATION.	APPLICATIONS FOR EMPLOYMENT.			
		North Side.	South Side.	West Side.	Peoria.
	Grand Totals.	10, 611	16, 707	19, 169	11, 002
	Males.....	6, 225	12, 305	15, 372	8, 121
	Females.....	4, 386	4, 402	3, 797	2, 881
	Total Males.....	6, 225	12, 305	15, 372	8, 121
1	Actors.....	12			
2	Agents.....		12		68
3	Any light work.....		11	1	
4	Apprentices.....			31	4
5	Artists.....	1			
6	Awning men.....		1		
7	Bakers.....	4	22	4	30
8	Barbers.....		5	2	4
9	Barnmen.....	75	105	32	180
10	Bartenders.....	11	13	11	9
11	Bench hands.....			11	
12	Blacksmiths.....	21	41	20	39
13	Blacksmith helpers.....			3	3
14	Boiler makers.....	3	34	3	3
15	Bookbinders.....			2	
16	Bookkeepers.....	10	14	9	5
17	Bootblacks.....		9		
18	Boxmakers.....	1	34	1	
19	Boys.....	416	262	435	
20	Boys, bell.....				76
21	Boys, delivery.....				140
22	Boys, elevator.....				17
23	Boys, errand.....			3	11
24	Boys, hotel.....				7
25	Boys, messenger.....				4
26	Boys, office.....			11	31
27	Brass finishers.....			3	
28	Bricklayers.....		11	2	
29	Brickmakers.....				2
30	Bridge builders.....			2	
31	Brush makers.....	3		1	
32	Butchers.....	4	14	9	2
33	Butlers.....	10	18	1	
34	Cabinet makers.....	7	9	17	1
35	Calciminers.....		10		
36	Candy makers.....			2	1
37	Canvassers.....	5		22	77
38	Canvassmen.....				7
39	Car builders.....			8	
40	Carpenters.....	49	240	165	120
41	Carpet layers.....		1		1
42	Carriage and wagon washers.....	17	30	12	
43	Cashiers.....		2		2
44	Cement makers.....				1
45	Cigar makers.....	3		1	
46	Cleaners, harness.....			2	
47	Clerks, drug.....		1		2
48	Clerks, hotel.....			2	

Table II—Continued.

Number.	OCCUPATION.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
49	Clerks, Shipping.....		50	1	1	52
50	Clerks, not stated	103	129	145	93	470
51	Coachmen.....	12	20	18	11	61
52	Coal miners.....				66	66
53	Coffeemen.....				3	3
54	Collectors.....	8	11	2	31	52
55	Concrete workers.....				1	1
56	Cooks.....	56	308	76	161	601
57	Coremakers.....	1		2		3
58	Dairymen.....		35		37	72
59	Deck hands.....	4	18		2	24
60	Detectives	1				1
61	Die makers.....	1				1
62	Dining room work.....	2				2
63	Dishwashers.....	74	464	68	142	748
64	Distributors	12	26		13	51
65	Draughtsmen.....	2				2
66	Drill pressmen.....	1		85		86
67	Drivers.....	36		102	3	141
68	Drophammerers	1				1
69	Electricians.....	6	34	11	8	59
70	Elevatormen.....	27	93	37	3	160
71	Embalmers.....				1	1
72	Engineers.....	29	62	46	16	153
73	Factory hands.....	240	675	539	102	1,556
74	Farm hands.....	128	305	377	280	1,090
75	Firemen.....	36	98	106	34	274
76	Florists.....				1	1
77	Fruit pickers.....				23	23
78	Furnace tenders.....				1	1
79	Gatemen.....	13				13
80	Gardners.....	12	73	16	54	155
81	Glass workers	2				2
82	Grinders	1				1
83	Handymen.....	554	33		389	976
84	Harness makers.....		5	1		6
85	Harvest hands.....				52	52
86	Hod carriers.....				2	2
87	Horseshoers				1	1
88	Hostlers.....		3	22	6	31
89	Hotel work.....				5	5
90	Housemen	500	862	99	96	1,557
91	Ice cutters.....		160			160
92	Interpreters		4			4
93	Iron workers.....	7	29	3		39
94	Janitors.....	129	267	123	46	565
95	Janpanners.....	11				11
96	Kitchen work.....	23	196	23	24	266
97	Laborers.....	2,559		9,300	4,276	16,135
98	Laborers, railroad.....		4,259		7	4,266
99	Lathe hands.....			10		10
100	Laundrymen.....	2	61	4	6	73
101	Linemen.....			1		1
102	Locksmiths.....	5		1	2	8
103	Machine hands	2	48	47		97
104	Machinists.....	57	106	182	51	396
105	Malsters.....				10	10
106	Managers				1	1
107	Masons, brick				8	8
108	Metal workers.....	22		38		50
109	Mill work.....	37				67
110	Millwrights.....		1	2	1	4
111	Miners	1	11	3		15
112	Molders.....	15	41	52	15	123
113	Molders helpers.....			1		1
114	Mortar mixers.....				1	1
115	Motormen.....				1	1
116	Nurse.....	5	12	3	5	25
117	Office help	22			5	27
118	Oilers.....			6		6
119	Packers.....	19	82	61	5	167

Table 11—Continued.

Number.	OCCUPATION.	APPLICATION FOR EMPLOYMENT.				Total
		North Side.	South Side.	West Side.	Peoria.	
120	Painters	37	78	24	62	1,
121	Paper hangers.....	3	1	1	3	
122	Pantrymen.....		4			
123	Panwashers.....	14			66	
124	Pattern makers.....	2	4	3	9	
125	Photographers.....				1	
126	Pin setters.....				36	
127	Pipe fitters.....				1	
128	Plasterers				1	
129	Plumbers.....		5	4		
130	Polishers.....			7		
131	Porters.....	236	720	216	201	
132	Powder mill men				12	
133	Pressmen.....	41	10	5	5	
134	Printers.....		14	3		
135	Punch press hands			24		
136	Riggers	2				
137	Roofers		16			
138	Sailors.....			1		
139	Salesmen.....	7	36	4	21	
140	Sawyers.....	16		2		1
141	Section men				92	
142	Shoemakers	2	1	1	1	
143	Showmen.....				1	
144	Solicitors.....	22	9	1	37	
145	Steam fitters.....	10	23	21	7	
146	Stenographers.....	7	14	3	2	
147	Stock keepers.....			151		
148	Stockmen.....	81	264			
149	Stone cutters.....			1		
150	Stone masons.....				1	
151	Storekeepers.....				1	
152	Stovemmen.....			1	2	
153	Switchmen.....		1			
154	Tailors.....	1	8			
155	Tallymen.....	2				
156	Teachers, swimming.....				2	
157	Teachers, not stated		9			
158	Teamsters	56	279	138	373	
159	Telegraphers		2		1	
160	Tile setters				1	
161	Time keepers	2		4		1
162	Tinsmiths	120	18	5	5	
163	Tobacco strippers				1	
164	Tool makers			3		
165	Triphammerers.....	1				
166	Truckmen		374	941	40	
167	Upholsterers		28	1		
168	Ushers		6			
169	Vise hands.....			1		
170	Wagon makers	3			4	
171	Waiters.....	15	439	21	76	
172	Watchmen.....	22	128	80	25	
173	Well drillers.....				1	
174	Whitewashers.....	1		3		
175	Wholesale men			6		
176	Window dressers	1				
177	Window washers	76	206	210	7	
178	Window wipers.....				2	
179	Wood choppers.....		2		10	
180	Wood finishers			3		
181	Wood workers.....			20	1	
182	Yardmen.....	15	126	5	61	
183	Miscellaneous, not classified.....			1,017		1

Table II—Concluded.

FEMALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Total females	4,386	4,402	3,797	2,881	15,466
1	Addressers	4	.....	11	.....	15
2	Agents .....	.....	.....	.....	3	3
3	Bakers .....	.....	.....	.....	1	1
4	Bindery work .....	.....	2	.....	5	7
5	Bookkeepers	3	.....	.....	16	19
6	Bottle labelers .....	.....	.....	51	.....	51
7	Canvassers .....	.....	.....	.....	25	25
8	Cashiers	2	11	7	20	40
9	Cigarmakers .....	.....	.....	.....	22	22
10	Cleaners .....	.....	.....	.....	1	1
11	Clerks	10	9	1	76	96
12	Chambermaids	410	377	334	237	1,358
13	Checkers .....	.....	.....	.....	1	1
14	Collectors .....	.....	.....	.....	7	7
15	Companions .....	.....	1	.....	6	7
16	Cooks	400	442	284	110	1,236
17	Dayworkers	503	200	253	382	1,338
18	Demonstrators	1	13	.....	4	18
19	Dining room help	98	.....	138	125	361
20	Dishwashers	271	396	243	137	1,047
21	Dishwipers .....	.....	.....	.....	6	6
22	Distributors .....	.....	.....	.....	2	2
23	Domestics .....	.....	.....	567	.....	567
24	Dressmakers .....	.....	.....	1	4	5
25	Factory work	133	187	469	188	977
26	Folders, circular .....	.....	.....	12	.....	12
27	General hrusework	1,452	1,208	.....	818	3,478
28	Hotel help .....	.....	.....	.....	14	14
29	Housekeepers	67	70	103	100	340
30	Ironers .....	.....	.....	.....	5	5
31	Janitresses	3	4	10	3	20
32	Kitchen help	289	327	233	141	990
33	Labelers .....	.....	.....	.....	6	6
34	Lady's maids .....	.....	2	.....	.....	2
35	Laundresses	99	146	189	24	458
36	Linen room work .....	.....	.....	.....	4	4
37	Mail order help .....	.....	.....	6	.....	6
38	Matrons	2	.....	2	1	5
39	Milliners .....	.....	.....	.....	2	2
40	Models .....	.....	5	.....	.....	5
41	Nurses	61	52	37	65	215
42	Office work	26	61	13	51	151
43	Operators	9	.....	.....	.....	9
44	Packers .....	.....	.....	.....	2	2
45	Pantry work	38	83	54	16	191
46	Pastry cooks .....	.....	.....	.....	8	8
47	Reception service .....	.....	2	1	.....	3
48	Saleswomen .....	.....	1	4	3	8
49	Scrubwomen	182	288	251	15	736
50	Seamstresses	27	21	171	11	230
51	Second cooks .....	.....	.....	.....	6	6
52	Second work	145	94	32	75	346
53	Silver women .....	.....	.....	.....	14	14
54	Solicitors .....	.....	17	.....	6	23
55	Stenographers	26	30	7	33	96
56	Teachers .....	.....	.....	.....	1	1
57	Telephone oparators .....	.....	.....	.....	3	3
58	Tobacco strippers .....	.....	.....	.....	3	3
59	Tray work	1	.....	.....	.....	1
60	Typewriters .....	.....	.....	2	.....	2
61	Vegetable women .....	.....	.....	.....	12	12
62	Waitresses	122	353	243	61	779
63	Wrappers	2	.....	4	.....	6
64	Miscellaneous, not classified .....	.....	.....	64	.....	64

Table 11—Continued.

Number.	Occupation.	APPLICATION FOR EMPLOYMENT.				To
		North Side.	South Side.	West Side.	Peoria.	
125	Painters	27	28	24	22	
126	Paint brushmen	2	1	1	8	
127	Painters' men		4			
128	Painters' men	24			95	
129	Painters' makers	2	4	3	9	
130	Photographers				1	
131	Plumbers				26	
132	Plumbers				1	
133	Plumbers				1	
134	Plumbers		5	4		
135	Plumbers			7		
136	Plumbers	206	200	205	201	
137	Plumbers' men				12	
138	Plumbers	41	20	5	5	
139	Plumbers		24	3		
140	Plumbers' men			21		
141	Plumbers	2				
142	Plumbers		15			
143	Plumbers			1		
144	Plumbers	7	25	4	21	
145	Plumbers	16		2		
146	Plumbers' men				22	
147	Plumbers	2	1	1	1	
148	Plumbers				1	
149	Plumbers	22	9	1	27	
150	Plumbers	10	10	21	7	
151	Plumbers		24	3	8	
152	Plumbers			21		
153	Plumbers	21	204			
154	Plumbers			1		
155	Plumbers				1	
156	Plumbers			1	2	
157	Plumbers		1			
158	Plumbers	1	6			
159	Plumbers	2				
160	Plumbers' men				2	
161	Plumbers' men		9			
162	Plumbers	26	279	205	223	
163	Plumbers		2		1	
164	Plumbers				1	
165	Plumbers	2		4		
166	Plumbers	20	16	5	8	
167	Plumbers' men				1	
168	Plumbers			3		
169	Plumbers					
170	Plumbers			1		
171	Plumbers	8				
172	Plumbers	15	400	21	26	
173	Plumbers	22	22	20	25	
174	Plumbers				1	
175	Plumbers	1		5		
176	Plumbers					
177	Plumbers	1				
178	Plumbers	76	200	210		
179	Plumbers				2	
180	Plumbers		2		10	
181	Plumbers			3		
182	Plumbers	15	72	26	51	
183	Plumbers' men			5		

Table 11—Concluded.

FEMALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Total females	4,396	4,402	3,797	2,881	15,406
1	Addressers	4		11		15
2	Agents				3	3
3	Bakers				1	1
4	Bindery work		2		5	7
5	Bookkeepers	3			16	19
6	Bottle labelers			51		51
7	Canvassers				25	25
8	Cashiers	2	11	7	20	40
9	Cigarmakers				22	22
10	Cleaners				1	1
11	Clerks	10	9	1	76	96
12	Chambermaids	410	377	334	237	1,358
13	Checkers				1	1
14	Collectors				7	7
15	Companions		1		6	7
16	Cooks	400	442	284	110	1,236
17	Dayworkers	503	200	253	382	1,338
18	Demonstrators	1	13		4	18
19	Dining room help	98		138	125	361
20	Dishwashers	271	396	243	137	1,047
21	Dishwipers				6	6
22	Distributors				2	2
23	Domestics			567		567
24	Dressmakers			1	4	5
25	Factory work	133	187	469	188	977
26	Folders, circular			12		12
27	General hrusework	1,452	1,208		818	3,478
28	Hotel help				14	14
29	Housekeepers	67	70	103	100	340
30	Ironers				5	5
31	Janitresses	3	4	10	3	20
32	Kitchen help	289	327	233	141	990
33	Labelers				6	6
34	Lady's maids		2			2
35	Laundresses	99	146	189	24	458
36	Linen room work				4	4
37	Mail order help			6		6
38	Matrons	2		2	1	5
39	Milliners				2	2
40	Models		5			5
41	Nurses	61	52	37	65	215
42	Office work	26	61	13	51	151
43	Operators	9				9
44	Packers				2	2
45	Pantry work	38	83	54	16	191
46	Pastry cooks				8	8
47	Reception service		2	1		3
48	Saleswomen		1	4	3	8
49	Scrubwomen	182	288	251	15	736
50	Seamstresses	27	21	171	11	230
51	Second cooks				6	6
52	Second work	145	94	32	75	346
53	Silver women				14	14
54	Solicitors		17		6	23
55	Stenographers	26	30	7	33	96
56	Teachers				1	1
57	Telephone oparators				3	3
58	Tobacco strippers				3	3
59	Tray work	1				1
60	Typewriters			2		2
61	Vegetable women				12	12
62	Waitresses	122	353	243	61	779
63	Wrappers	2		4		6
64	Miscellaneous, not classified			64		64

For males, the 42,023 applications are shown in 182 occupations, with a miscellaneous class; for females, the 15,466 applicants are represented by 63 occupations, with a miscellaneous class.

For both sexes the West Side office registered the largest number the South Side next, followed by the Peoria and North Side offices, respectively.

APPLICATIONS FOR HELP.

A corresponding table to the foregoing is presented, showing the applications of employers for help, the classification of occupations being almost identical:

TABLE 12—*Applications for Help—Work of all the Offices—Three in Chicago, One in Peoria.*
MALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Grand totals.....	12,083	19,544	18,331	10,950	60,908
	Males	6,358	13,313	14,237	8,169	42,077
	Females	5,725	6,231	4,094	2,781	18,831
	Total males	6,358	13,313	14,237	8,169	42,077
1	Actors	16	.....	.....	.....	16
2	Agents .....	.....	11	.....	75	86
3	Any light work .....	.....	1	.....	.....	1
4	Apprentices .....	.....	.....	2	4	6
5	Architects	1	.....	.....	.....	1
6	Awning men .....	.....	1	.....	.....	1
7	Bakers	2	22	1	30	55
8	Barbers .....	.....	5	.....	4	9
9	Barnmen	76	102	31	179	388
10	Bartenders	7	10	5	7	29
11	Bench hands .....	.....	.....	3	.....	3
12	Blacksmiths	22	52	10	30	114
13	Blacksmiths' helpers .....	.....	.....	1	3	4
14	Boiler makers .....	.....	55	.....	2	57
15	Bookkeepers	4	7	.....	4	15
16	Bootblacks .....	.....	9	.....	.....	9
17	Boxmakers .....	.....	29	.....	.....	29
18	Boys	434	352	387	.....	1,173
19	Boys, bell .....	.....	.....	.....	81	81
20	Boys, delivery .....	.....	.....	.....	138	138
21	Boys, elevator .....	.....	.....	.....	16	16
22	Boys, errand .....	.....	.....	2	11	13
23	Boys, messenger .....	.....	.....	.....	4	4
24	Boys, office .....	.....	.....	8	30	38
25	Boys, hotel .....	.....	.....	.....	7	7
26	Bricklayers .....	.....	10	1	.....	11
27	Brickmakers .....	.....	.....	.....	2	2
28	Brush makers	5	.....	1	.....	6
29	Butchers	3	13	2	2	20
30	Butlers	9	21	1	.....	31
31	Cabinet makers	6	39	12	.....	57
32	Calciminers .....	.....	10	.....	.....	10
33	Candy makers .....	.....	.....	2	1	3
34	Canvassers	5	.....	31	76	112
35	Canvassmen .....	.....	.....	.....	9	9
36	Car builders .....	.....	.....	1	.....	1
37	Carpenters	48	392	154	106	699
38	Carpet layers .....	.....	2	.....	1	3
39	Carriage and wagon makers	20	32	11	.....	63

Table 12—Continued.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
40	Cashiers		2		1	3
41	Cigar makers	1				1
42	Cleaners, harness			2		2
43	Clerks, drug		1		1	2
44	Clerks, hotel			1		1
45	Clerks, shipping		47		1	48
46	Clerks, not stated	85	88	22	51	246
47	Coachmen	10	19	13	5	47
48	Coal miners				117	117
49	Coffee men				3	3
50	Collectors	5	7		28	40
51	Cooks	52	307	49	155	567
51	Core makers	1				1
53	Dairymen		33		35	68
54	Deck hands	5	17		2	24
55	Die makers	2				2
56	Dishwashers	75	446	63	143	727
57	Diningroom work	2				2
58	Distributors	12	24		13	49
59	Draughtsmen	3			2	5
60	Drill pressmen			45		45
61	Drivers	34		31	3	68
62	Drophammerers	2				2
63	Electricians	5	33	1	4	43
64	Elevatormen	25	79	5	3	112
65	Engineers	24	45	14	9	92
66	Factory hands	265	675	448	91	1,479
67	Farm hands	131	385	343	271	1,130
68	Firemen	32	95	51	23	201
69	Fruit pickers				25	25
70	Furnace tenders				1	1
71	Gardeners	15	78	11	54	158
72	Gatemen	16				16
73	Grinders	1				1
74	Handymen	582	33		390	1,005
75	Harness makers		5			5
76	Harvest hands				61	61
77	Hod carriers				1	1
78	Hostlers		3	19	5	27
79	Hotel work				3	3
80	Housemen	498	793	69	96	1,456
81	Ice cutters		209			209
82	Interpreters		23			23
83	Iron workers	6	27			33
84	Janitors	115	243	74	37	469
85	Japanners	13				13
86	Kitchen work	23	187	16	24	250
87	Laborers	2,707		9,359	4,355	16,421
88	Labors, railroad		4,984		7	4,991
89	Lathe hands			4		4
90	Laundrymen	1	54	4	6	65
91	Locksmiths	5		1	2	8
92	Machine hands	1	46	31		78
93	Machinists	43	161	74	50	328
94	Malsters				10	10
95	Manager				1	1
96	Masons, brick				7	7
97	Metal workers	22		37		59
98	Mill work	35				35
99	Millwrights	3	1			4
100	Miners		11	3		14
101	Molders	18	106	50	30	204
102	Mortar mixer				1	1
103	Nurses	4	11	2	4	21
104	Office help	10				10
105	Packers	20	80	42	5	147
106	Painters	34	76	8	57	175
107	Panwashers	14			66	80
108	Pantrymen		4			4
109	Paper hangers	3	1	1	2	7
110	Pattern makers	2	3	4	13	22
111	Pipe fitters				1	1
112	Plasters				1	1

Table 12—Continued.

Number	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total
		North Side.	South Side.	West Side.	Peoria.	
113	Plumbers...		4	2		6
114	Polishers...			5		5
115	Porters...	235	645	121	197	1,208
116	Powder mill men...				12	12
117	Pressmen...	49	9	4	4	67
118	Printers...		11			11
119	Punch press hands...			15		15
120	Riggers...	2				2
121	Roofers...		29			29
122	Salesmen...	3	33		21	57
123	Sawyers...	17				17
124	Section men...				161	161
125	Shoemakers...	1	1	1		3
126	Showman...				1	1
127	Solicitors...	25	39		45	99
128	Steam fitters...	5	35	17	6	53
129	Stenographers...	6	11	2	1	20
130	Stock keepers...			168		168
131	Stock men...	62	232			295
132	Stone cutter...			1		1
133	Store keeper...				1	1
134	Stovemmen...			1	2	3
135	Switchmen...		1			1
136	Tallymen...	2				2
137	Tailors...		7			7
138	Teachers...		8		3	11
139	Teamsters...	50	273	91	269	723
140	Telegraphers...		2			2
141	Ten pin setters...				44	44
142	Tile setters...				1	1
143	Time keepers...	2				2
144	Tinsmiths...	128	98	3	5	244
145	Tobacco stripper...				1	1
146	Tool makers...			2		2
147	Triphammerers...	2				2
148	Truckmen...		438	500	69	1,007
149	Upholsterers...	5	48	5		58
150	Ushers...		7			7
151	Wagon makers...	2			5	7
152	Waiters...	17	411	12	69	509
153	Watchmen...	14	111	39	2	156
154	Well driller...				1	1
155	Whitewashers...	1		3		4
156	Window washers...	84	230	205	7	526
157	Window wipers...				2	2
158	Wood choppers...		2		19	21
159	Wood finishers...			3		3
160	Wood workers...			20	1	21
161	Yardmen...	15	119	5	61	200
162	Miscellaneous, not classified			967		967

FEMALES.

Total females		5,725	6,231	4,084	2,781	18,821
1	Addressers	7		7		14
2	Agents				3	3
3	Bakers				1	1
4	Bindery work		2		4	6
5	Bookkeepers	1			5	6
6	Bottle labelers			68		68
7	Canvassers	4			31	35
8	Cashiers	1	7		15	23
9	Cigarmakers				22	22
10	Beaners				1	1
11	Clerks	14	12	1	43	70
12	Chambermaids	481	483	312	219	1,495

Table 12—Concluded.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
13	Checkers.....				1	1
14	Collectors.....				4	4
15	Companions.....		4		5	9
16	Cooks.....	506	627	255	100	1,497
17	Dayworkers.....	504	215	110	280	1,109
18	Demonstrators.....	6	13		2	21
19	Dining room help.....	197		164	122	483
20	Dishwashers.....	327	471	229	134	1,161
21	Dishwipers.....				6	6
22	Distributors.....				2	2
23	Domestics.....			984		984
24	Dressmakers.....			2	3	5
25	Factory work.....	253	314	606	179	1,351
26	Folders, circular.....			16		16
27	General housework.....	2,002	1,900		1,005	5,007
28	Hotel help.....				1	1
29	Housekeepers.....	70	80	66	69	285
30	Ironers.....				5	5
31	Janitresses.....	3	5	2	2	12
32	Kitchen help.....	322	428	225	136	1,111
33	Labelers.....				6	6
34	Lady's maid.....		2			2
35	Laundresses.....	127	130	179	14	549
36	Linen room work.....				4	4
37	Mail order help.....			9		9
38	Matrons.....	5			1	6
39	Models.....		5			5
40	Milliners.....				1	1
41	Nurses.....	79	73	30	47	229
42	Office work.....	27	73	5	15	120
43	Operators.....	12				12
44	Packers.....				2	2
45	Pantry work.....	37	160	44	15	196
46	Pastry cooks.....				1	1
47	Reception service.....		2	2		4
48	Saleswomen.....		1		2	3
49	Scrubwomen.....	206	350	200	13	869
50	Seamstresses.....	53	26	301	8	388
51	Second cooks.....				4	4
52	Second work.....	134	136	34	72	436
53	Silver women.....				16	16
54	Solicitors.....	3	17		19	39
55	Stenographers.....	19	20	1	12	52
56	Teachers.....				1	1
57	Telephone operators.....				2	2
58	Tobacco strippers.....				3	3
59	Tray work.....	1				1
60	Typewriters.....			1		1
61	Vegetable women.....				11	11
62	Waitresses.....	212	340	253	61	1,066
63	Wrappers.....	2		5		7
64	Miscellaneous, not classified.....			95		95

POSITIONS SECURED.

The positions secured to applicants for employment, thereby furnishing help to employers, being the consequence, through the instrumentality of these offices, of bringing both parties together, is shown in the following table:

TABLE 13—Positions Secured—Work of all the Offices—Three in Chicago, One in Peoria.

MALES.

Number.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Totals.....	10,299	15,858	17,176	10,284	53,617
	Males.....	6,013	11,535	14,074	7,798	39,420
	Females.....	4,286	4,323	3,102	2,486	14,197
	Total males.....	6,013	11,535	14,074	7,798	39,420
	Males.....	5,722	11,535	14,074	7,725	39,056
	Positions filled from previous applications.....	291			73	364
1	Actors.....	12				12
2	Agents.....		11		68	79
3	Any light work.....		1			1
4	Apprentices.....			1	4	5
5	Awning men.....		1			1
6	Bakers.....	1	21	1	23	46
7	Barbers.....		5		4	9
8	Barnmen.....	73	98	31	178	380
9	Bartenders.....	5	10	5	7	27
10	Bench hands.....			3		3
11	Blacksmiths.....	17	36	10	29	92
12	Blacksmiths helpers.....			1	3	4
13	Boiler makers.....		34		2	36
14	Bookkeepers.....	2	6		4	12
15	Bootblacks.....		9			9
16	Boxmakers.....		29			29
17	Boys.....	385	243	376		1,004
18	Boys, bell.....				76	76
19	Boys, delivery.....				123	123
20	Boys, elevator.....				16	16
21	Boys, errand.....			2	11	13
22	Boys, messenger.....				4	4
23	Boys, office.....			8	30	38
24	Boys, hotel.....				7	7
25	Bricklayers.....		10	1		11
26	Brick makers.....				2	2
27	Brush makers.....	1		1		2
28	Butchers.....	2	12	2	2	18
29	Butlers.....	8	18	1		27
30	Cabinet makers.....	5	8	12		25
31	Calciminers.....		10			10
32	Candy makers.....			2	1	3
33	Canvassers.....	3		22	76	101
34	Canvassmen.....				7	7
35	Car builders.....			8		8
36	Carpenters.....	38	236	131	106	511
37	Carpet layers.....		1		1	2
38	Carriage and wagon washers.....	16	29	11		56
39	Cashiers.....		2		1	3
40	Cigar makers.....	1				1
41	Cleaners, harness.....			2		2
42	Clerks, drug.....		1		1	2

Table 13—Continued.

Number.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
43	Clerks, hotel.....			1		1
44	Clerks, shipping.....		47		1	48
45	Clerks, not stated.....	82	83	21	51	237
46	Coachmen.....	9	17	13	5	44
47	Coal miners.....				66	66
48	Coffee men.....				3	3
49	Collectors.....	3	7		28	38
50	Cooks.....	43	285	49	143	520
51	Core makers.....	1				1
52	Dairymen.....		33		35	68
53	Deck hands.....	4	17		2	23
54	Dining room work.....	2				2
55	Dish washers.....	73	442	63	141	719
56	Distributors.....	12	24		13	49
57	Drill pressmen.....			45		45
58	Drivers.....	34		31	3	68
59	Drophammerer.....	1				1
60	Electricians.....	4	30	1	4	39
61	Elevatormen.....	24	78	5	3	110
62	Engineers.....	18	37	14	8	77
63	Factory hands.....	208	646	448	80	1,382
64	Farm hands.....	116	282	326	264	988
65	Firemen.....	29	85	51	22	187
66	Fruit pickers.....				23	23
67	Furnace tenders.....				1	1
68	Gatemen.....	13				13
69	Gardners.....	12	68	10	53	143
70	Grinders.....	1				1
71	Handymen.....	539	33		387	959
72	Harness makers.....		5			5
73	Harvest hands.....				52	52
74	Hod carriers.....				1	1
75	Hostlers.....		3	19	5	27
76	Hotel work.....				3	3
77	Housemen.....	486	780	69	94	1,429
78	Ice cutters.....		159			159
79	Interpreters.....		3			3
80	Iron workers.....	6	26			32
81	Janitors.....	112	236	73	37	458
82	Japanners.....	9				9
83	Kitchen work.....	22	184	16	24	246
84	Laborers.....	2,471		9,295	4,188	15,954
85	Laborers, railroad.....		4,171		7	4,178
86	Lathe hands.....			4		4
87	Laundrymen.....	1	54	4	6	65
88	Locksmiths.....	5		1	2	8
89	Machine hands.....	1	46	31		78
90	Machinists.....	41	99	74	45	259
91	Malsters.....				10	10
92	Managers.....				1	1
93	Masons, brick.....				7	7
94	Metal workers.....	16		35		51
95	Mill work.....	28				28
96	Millwright.....		1			1
97	Miners.....		11	3		14
98	Molders.....	5	40	50	10	105
99	Mortar mixers.....				1	1
100	Nurses.....	4	11	2	4	21
101	Office help.....	9				9
102	Packers.....	18	77	42	5	142
103	Painters.....	23	73	8	53	157
104	Paperhangers.....	2	1	1	2	6
105	Pantrymen.....		4			4
106	Panwashers.....	14			66	80
107	Patternmakers.....	1	3	1	6	11
108	Pipe fitters.....				1	1
109	Plasterers.....				1	1
110	Plumbers.....		4	2		6
111	Polishers.....			5		5

Table 13—Continued.

Nnmber.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
112	Porters	226	639	181	197	1,243
113	Powder mill men				12	12
114	Pressmen	35	9	4	4	52
115	Printers		11			11
116	Punch press hands			15		15
117	Riggers	2				2
118	Roofers		15			15
119	Salesmen	1	32		17	50
120	Sawyers	16		1		17
121	Section men				92	92
122	Shoemakers	1	1			2
123	Showmen				1	1
124	Solicitors	12	9		37	58
125	Steamfitters	1	20	17	5	43
126	Stenographers	4	10	2	1	17
127	Stockmen	78	246			324
128	Stockkeepers			146		146
129	Storekeepers				1	1
130	Stonecutters			1		1
131	Stovemmen			1	2	3
132	Switchmen		1			1
133	Tailors		6			6
134	Tallymen	2				2
135	Teachers		8		2	10
136	Teamsters	48	253	91	353	745
137	Telegraphers		2			2
138	Ten pin setters				36	36
139	Tile setters				1	1
140	Timekeepers	2				2
141	Tinsmiths	103	17	3	4	127
142	Tobacco strippers				1	1
143	Toolmakers			2		2
144	Triphammerers	1				1
145	Truckmen		368	929	40	1,337
146	Upholsterers		28	1		29
147	Ushers		6			6
148	Wagonmakers	1			4	5
149	Walters	14	396	11	68	489
150	Watchmen	14	109	30	3	156
151	Well drillers				1	1
152	Whitewashers	1		3		4
153	Window washers	74	198	206	7	485
154	Window wipers				2	2
155	Wood choppers		2		9	11
156	Wood finishers			1		1
157	Wood workers			20	1	21
158	Yardmen	15	113	5	61	194
159	Miscellaneous, not classified			960		960

FEMALES.

	Total	4,286	4,323	3,102	2,486	14,197
	Females	4,177	3,642	3,102	2,457	13,378
	From previous applications	109	681		29	819
1	Addressers	4		5		9
2	Agents				3	3
3	Bakers				1	1
4	Bindery work		2		4	6
5	Bookkeepers	1			5	6
6	Bottle lablers			46		46
7	Canvassers				25	25
8	Cashiers	1	6		14	21
9	Cigar makers				22	22
10	Cleaners				1	1
11	Clerks	9	5	1	43	58

Table 13—Concluded.

OCCUPATION.	POSITIONS SECURED.				Total.
	North Side.	South Side.	West Side.	Peoria.	
ambermaids.....	383	300	284	208	1,175
beckers.....				1	1
llectors.....				4	4
mpanions.....				5	5
oks.....	376	395	202	92	1,065
yworkers.....	491	194	106	280	1,071
monstrators.....	1	13		2	16
ningroom help.....	95		116	115	326
shwashers.....	263	359	210	131	963
shwipers.....				6	6
istributors.....				2	2
mestics.....			521		521
essmakers.....			1	3	4
actory work.....	132	149	443	164	888
olders, circular.....			12		12
eneral housework.....	1,440	954		814	3,208
otel help.....				7	7
ousekeepers.....	46	49	34	61	190
oners.....				5	5
nitresses.....	2	3	2	2	9
tchen help.....	281	286	199	131	897
blers.....				6	6
day's maids.....		2			2
undresses.....	97	128	164	14	403
nen room work.....				4	4
all order help.....			6		6
atrons.....	1			1	2
lliners.....				1	1
odels.....		5			5
urses.....	51	41	24	44	160
ficework.....	9	38	2	15	64
erators.....	9				9
ickers.....				2	2
entry work.....	30	68	35	15	148
stry cooks.....				6	6
ception service.....		2	1		3
leswomen.....		1		2	3
rubwomen.....	177	254	223	13	667
amstresses.....	20	18	161	8	207
cond cooks.....				4	4
cond work.....	136	77	19	66	298
lver women.....				14	14
licitors.....		17		5	22
enographers.....	8	14	1	12	35
eachers.....				1	1
elephone operators.....				2	2
obacco strippers.....				3	3
ay work.....	1				1
vegetable women.....				11	11
aitresses.....	111	262	217	57	647
rappers.....	2		4		6
iscellaneous, not stated.....			63		63

last column in this table shows the total number of persons h sexes for whom positions were secured. The first line at the of the table shows the total number to be 53,617; of this number), or 73.52 per cent, were males and 14,197, or 26.48 per cent females.

EMPLOYMENT, HELP, POSITIONS SECURED AND FILLED.

e total numbers of the several offices shown in Tables 11, 12 and e brought together and the percentages of positions secured and

filled in each of the several occupations are shown in the following table in parallel columns:

TABLE 14—*Number of Applications for Employment, and for Help, Positions Secured, with Percentages to Applicants for Employment and for Help—Four Offices.*

MALES.

Number.	OCCUPATION.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
	Grand totals.....	57,489	60,908	*53,617	93.26	88.03
	Males.....	42,023	42,077	†39,420	93.81	93.69
	Females.....	15,466	18,831	†14,197	91.79	75.39
	MALES	42,023	42,077	39,420	93.81	86.69
1	Actors	12	16	12	100.00	75.00
2	Agents.....	80	86	79	98.75	91.86
3	Any light work.....	12	1	1	8.33	100.00
4	Apprentices.....	35	6	5	14.29	83.33
5	Artists.....	1				
6	Awning man.....	1	1	1	100.00	100.00
7	Bakers.....	60	55	46	76.67	83.64
8	Barbers.....	11	9	9	81.82	100.00
9	Barnmen.....	392	388	380	96.94	97.94
10	Bartenders.....	44	29	27	61.36	93.11
11	Bench hands.....	11	2	3	27.27	100.00
12	Blacksmiths.....	121	114	92	76.03	89.70
13	Blacksmith helpers.....	6	4	4	66.67	100.00
14	Boiler makers.....	43	57	36	83.72	63.16
15	Bookbinders.....	2				
16	Bookkeepers.....	38	15	12	31.58	80.00
17	Bootblacks.....	9	9	9	100.00	100.00
18	Boxmakers.....	36	29	29	80.56	100.00
19	Boys.....	1,113	1,173	1,004	90.21	85.59
20	Boys, bell.....	76	81	76	100.00	93.83
21	Boys, delivery.....	140	138	133	95.00	96.38
22	Boys, elevator.....	17	16	16	94.12	100.00
23	Boys, errand.....	14	13	13	92.86	100.00
24	Boys, hotel.....	7	7	7	100.00	100.00
25	Boys, messenger.....	4	4	4	100.00	100.00
26	Boys, office.....	42	38	38	90.48	100.00
27	Brass finishers.....	3				
28	Bricklayers.....	13	11	11	84.62	100.00
29	Brickmakers.....	2	2	2	100.00	100.00
30	Bridge builders.....	2				
31	Brush makers.....	4	6	2	50.00	33.33
32	Butchers.....	29	20	18	62.42	90.00
33	Butlers.....	29	31	27	93.10	87.10
34	Cabinet makers.....	34	57	25	73.57	43.86
35	Calceminers.....	10	10	10	100.00	100.00
36	Candy makers.....	3	3	3	100.00	100.00
37	Canvassers.....	104	112	101	97.12	90.18
38	Canvassmen.....	7	9	7	100.00	77.78
39	Car builders.....	8	15	8	100.00	53.33
40	Carpenters.....	574	699	511	89.02	73.10
41	Carpet layers.....	2	3	2	100.00	66.67
42	Carriage and wagon washers.....	59	63	56	94.92	88.89
43	Cashiers.....	4	3	3	75.00	100.00
44	Cement finishers.....	1				
45	Cigar makers.....	4	1	1	25.00	100.00

* Including 1,185 applications filed previous year.

† Including 364 applications filed previous year.

‡ Including 819 applications filed previous year.

Table 14—Continued.

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
46	Cleaners, harness.....	2	2	2	100.00	100.00
47	Clerks, drug.....	3	2	2	66.67	100.00
48	Clerks, hotel.....	2	1	1	50.00	100.00
49	Clerks, shipping.....	52	48	48	92.31	100.00
50	Clerks, not stated.....	479	246	237	50.43	96.34
51	Coachmen.....	61	47	44	72.13	93.62
52	Coal miners.....	66	117	66	100.00	56.41
53	Coffee men.....	3	3	3	100.00	100.00
54	Collectors.....	52	40	38	73.08	95.00
55	Concrete workers.....	1				
56	Cooks.....	601	563	520	86.52	97.01
57	Core makers.....	3	1	1	33.33	100.00
58	Dairymen.....	72	68	68	95.83	100.00
59	Deck hands.....	24	24	23	95.83	95.83
60	Detective.....	1				
61	Die makers.....	1	2			
62	Dining room work.....	2	2	2	100.00	100.00
63	Dishwashers.....	748	727	719	96.12	98.90
64	Distributors.....	51	49	49	96.08	100.00
65	Draughtsmen.....	2	5			
66	Drill pressmen.....	86	45	45	52.31	100.00
67	Drives.....	141	68	68	48.23	100.00
68	Drophammerers.....	1	2	1	100.00	50.00
69	Electricians.....	59	43	39	66.10	90.70
70	Elevatormen.....	160	112	110	62.50	98.21
71	Embalmers.....	1				
72	Engineers.....	153	92	77	50.33	83.70
73	Factory hands.....	1,556	1,479	1,382	88.32	93.44
74	Farm hands.....	1,090	1,130	988	90.64	87.43
75	Firemen.....	274	201	187	68.25	93.03
76	Florists.....	1				
77	Fruit pickers.....	23	25	23	100.00	92.00
78	Furnace tenders.....	1	1	1	100.00	100.00
79	Gatemen.....	13	16	13	100.00	81.25
80	Gardeners.....	155	158	143	92.26	90.51
81	Glass workers.....	2				
82	Grinders.....	1	1	1	100.00	100.00
83	Handymen.....	976	1,005	959	98.26	95.42
84	Harness makers.....	6	5	5	83.33	100.00
85	Harvest hands.....	52	61	52	100.00	85.25
86	Hod carriers.....	2	1	1	50.00	100.00
87	Horseshoers.....	1				
88	Hostlers.....	31	27	27	87.10	100.00
89	Hotel work.....	5	3	3	60.00	100.00
90	Housemen.....	1,557	1,456	1,429	91.78	98.18
91	Ice cutters.....	160	209	159	99.38	76.08
92	Interpreters.....	4	23	3	75.00	13.04
93	Iron workers.....	39	33	32	82.05	96.97
94	Janitors.....	565	469	458	81.06	97.65
95	Japanners.....	11	13	9	81.82	69.23
96	Kitchen work.....	266	250	246	92.48	98.40
97	Laborers.....	16,135	16,421	15,954	98.88	97.16
98	Laborers, railroad.....	4,266	4,991	4,178	97.94	83.71
99	Lathe hands.....	10	4	4	40.00	100.00
100	Laundrymen.....	73	65	65	89.04	100.00
101	Linemen.....	1				
102	Locksmiths.....	8	8	8	100.00	100.00
103	Machine hands.....	97	78	78	80.41	100.00
104	Machinists.....	396	328	259	65.40	78.96
105	Malsters.....	10	10	10	100.00	100.00
106	Managers.....	1	1	1	100.00	100.00
107	Masons, brick.....	8	7	7	87.50	100.00
108	Metal workers.....	60	59	51	85.00	86.41
109	Millwork.....	37	35	28	75.67	80.00
110	Millwrights.....	4	4	1	25.00	25.00
111	Miners.....	15	14	14	93.33	100.00
112	Molders.....	123	204	105	85.37	51.47
113	Molders' helpers.....	1				
114	Mortar mixers.....	1	1	1	100.00	100.00

Table 14—Continued.

Number.	OCCUPATIONS	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
115	Motormen	1				
116	Nurses	25	21	21	84.00	100.00
117	Office help	27	10	9	33.33	90.00
118	Oilers	6				
119	Packers	167	147	142	85.03	96.60
120	Painters	201	175	157	73.13	89.71
121	Paper hangers	8	7	6	75.00	85.71
122	Pantrymen	4	4	4	100.00	100.00
123	Panwashers	80	80	80	100.00	100.00
124	Pattern makers	18	22	11	61.11	50.00
125	Photographers	1				
126	Pin setters	36	44	36	100.00	81.82
127	Pipefitters	1	1	1	100.00	100.00
128	Plasterers	1	1	1	100.00	100.00
129	Plumbers	9	6	6	66.67	100.00
130	Polishers	7	5	5	71.43	100.00
131	Porters	1,373	1,258	1,243	90.31	98.81
132	Powder mill men	12	12	12	100.00	100.00
133	Pressmen	61	57	52	85.25	91.23
134	Printers	17	11	11	64.71	100.00
135	Punch press hands	24	15	15	62.50	100.00
136	Riggers	2	2	2	100.00	100.00
137	Roofers	16	20	15	93.75	75.00
138	Sailors	1				
139	Salesmen	68	57	50	73.52	87.72
140	Sawyers	18	17	17	94.44	100.00
141	Section men	92	161	92	100.00	57.14
142	Shoemakers	5	3	2	40.00	66.67
143	Showmen	1	1	1	100.00	100.00
144	Solicitors	69	80	58	84.06	73.50
145	Steamfitters	61	53	43	70.49	81.13
146	Stenographers	28	20	17	65.38	85.00
147	Stockkeepers	151	146	146	96.69	100.00
148	Stockmen	345	335	324	93.91	96.71
149	Stonecutters	1	1	1	100.00	100.00
150	Stone masons	1				
151	Storekeepers	1	1	1	100.00	100.00
152	Stovemmen	3	3	3	100.00	100.00
153	Switchmen	1	1	1	100.00	100.00
154	Tailors	9	7	6	66.67	85.71
155	Tallymen	2	2	2	100.00	100.00
156	Teachers, swimming	2	2	2	100.00	100.00
157	Teachers, not stated	9	8	8	88.89	100.00
158	Teamsters	846	773	745	88.06	96.38
159	Telegraphers	3	2	2	66.67	100.00
160	Tile setters	1	1	1	100.00	100.00
161	Timekeepers	6	2	2	33.33	100.00
162	Tinsmiths	148	164	127	85.81	77.44
162	Tobacco strippers	1	1	1	100.00	100.00
164	Toolmakers	3	2	2	66.67	100.00
165	Triphammerers	1	2	1	100.00	50.00
166	Truckmen	1,355	1,397	1,337	98.67	96.71
167	Upholsterers	29	58	29	100.00	50.00
168	Ushers	6	7	6	100.00	85.71
169	Vise hands	1				
170	Wagonmakers	7	7	5	71.43	71.43
171	Waiters	551	509	489	88.75	96.07
172	Watchmen	255	158	156	61.18	98.73
173	Well drillers	1	1	1	100.00	100.00
174	Whitewashers	4	4	4	100.00	100.00
175	Wholesale men	6				
176	Window dressers	1				
177	Window washers	499	536	485	97.19	90.49
178	Window wipers	2	2	2	100.00	100.00
179	Wood choppers	12	21	11	91.67	53.33
180	Wood finishers	3	3	1	33.33	33.33
181	Wood workers	21	21	21	100.00	100.00
182	Yardmen	207	200	194	93.72	97.00
183	Miscellaneous, not classified	1,017	967	960	97.00	99.28

Table 14—Concluded.

FEMALES.

Number	OCCUPATIONS.	APPLICATIONS FOR—		PERCENTAGES OF—		
		Employment.	Help.	Number of positions secured.	Positions secured applicants for employment.	Positions secured applicants for help.
	Total females . . .	15,406	18,581	14,197	91.79	75.39
1	Addressers	15	14	9	60.00	64.29
2	Agents	3	3	3	100.00	100.00
3	Bakers	1	1	1	100.00	100.00
4	Bindery work	7	6	6	85.71	100.00
5	Bookkeepers	19	6	6	31.58	100.00
6	Bottle labelers	51	49	46	90.20	95.71
7	Canvassers	25	25	25	100.00	71.43
8	Cashiers	40	21	21	52.50	91.30
9	Cigarmakers	23	22	22	100.00	100.00
10	Cleaners	1	1	1	100.00	100.00
11	Clerks	96	79	59	60.42	62.86
12	Chambermaids	1,209	1,406	1,174	96.92	71.91
13	Checkers	1	1	1	100.00	100.00
14	Collectors	7	4	4	57.14	100.00
15	Companions	7	9	5	71.43	56.56
16	Cooks	1,236	1,497	1,665	98.17	71.14
17	Dayworkers	1,228	1,399	1,071	80.04	96.57
18	Demonstrators	19	21	16	89.80	76.19
19	Diningroom help	361	493	326	90.30	67.49
20	Dishwashers	1,047	1,161	962	91.98	82.96
21	Dishwipers	6	6	6	100.00	100.00
22	Distributors	2	2	2	100.00	100.00
23	Domestics	567	594	521	91.89	58.96
24	Dressmakers	5	5	4	80.00	80.00
25	Factory work	977	1,251	828	80.80	65.72
26	Folders, circular	12	16	12	100.00	75.00
27	General housework	3,479	5,097	3,209	92.24	62.94
28	Hotel help	14	7	7	50.00	100.00
29	Housekeepers	240	272	190	55.99	69.89
30	Ironers	5	5	5	100.00	100.00
31	Janitresses	20	12	9	45.00	75.00
32	Kitchen help	906	1,111	897	90.61	56.74
33	Labelers	6	4	6	100.00	100.00
34	Lady's maids	2	3	1	100.00	100.00
35	Laundresses	468	519	408	87.90	77.65
36	Linenroom work	4	4	4	100.00	100.00
37	Mail order help	6	8	6	100.00	75.00
38	Matrons	5	11	2	40.00	18.18
39	Milliners	2	1	1	50.00	50.00
40	Models	5	5	5	100.00	100.00
41	Nurses	315	229	160	74.43	69.87
42	Office work	161	120	64	42.38	58.33
43	Operators	9	12	9	100.00	75.00
44	Packers	2	2	2	100.00	100.00
45	Pantry work	191	196	148	74.48	75.51
46	Pastry cooks	8	7	6	75.00	85.71
47	Reception service	3	4	3	100.00	75.00
48	Saleswomen	8	3	3	37.50	100.00
49	Scrubwomen	726	819	697	90.78	91.54
50	Seamstresses	290	298	207	90.00	71.88
51	Second cooks	6	4	4	66.67	100.00
52	Second work	346	426	289	86.18	69.95
53	Silver women	14	16	14	100.00	97.50
54	Solicitors	28	39	23	76.68	56.41
55	Stenographers	96	52	26	26.48	87.31
56	Teachers	1	1	1	100.00	100.00
57	Telephone operators	3	2	2	66.67	100.00
58	Tobacco strippers	3	3	3	100.00	100.00
59	Tray work	1	1	1	100.00	100.00
60	Typewriters	2	1			
61	Vegetable women	12	11	11	91.67	100.00
62	Waitresses	779	1,076	647	83.04	60.19
63	Wrappers	6	7	6	100.00	85.71
64	Miscellaneous, not classified	64	86	63	98.44	74.13

LEADING OCCUPATIONS.

The numerous occupations that are listed in the foregoing table and their accumulation seems to be unavoidable, have been condensed to a list of 28 for males and 19 for females. These represent, male applicants for employment, 84.61 per cent of the whole number registered; for females, 96.42 per cent. The applications of the employers as to numbers for both sexes bear substantially the same proportion. The number of males securing work ranges from 48.22 per cent for drivers, to 98.81 per cent for laborers, with an average 93.43 per cent for the whole number. For employers securing help the showing is even better; here the range is from 73.10 per cent for carpenters, to 100 per cent for drivers. For females, the number securing work was from 36.45 per cent for stenographers, to 92.23 per cent for general housework, with 86.76 per cent for the total number. Help secured for employers was 52.94 per cent for domestics, 96.57 per cent for day workers.

TABLE 15—Summary of the Leading Occupations, Showing Applications for Employment and Help, with Percentages.

MALES.						
Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGE	
		Employment.	Help.		Securing work.	Secured help.
	Grand totals.....	50,457	53,720	46,139	91.44	
	Males	35,544	35,490	33,200	93.43	
	Females	14,913	18,230	12,939	86.76	
	Males	35,544	35,490	33,200	93.43	
1	Barmen	392	388	380	96.94	
2	Boys, bell, and other occupations.....	1,413	1,470	1,291	91.51	
3	Blacksmiths	121	114	92	76.03	
4	Carpenters	574	699	511	89.01	
5	Clerks, all kinds	527	297	288	86.52	
6	Cooks	601	563	520	86.52	
7	Dishwashers and kitchen work.....	1,014	977	965	95.16	
8	Drivers	141	68	68	48.22	100
9	Elevatormen	160	112	110	68.75	90
10	Engineers	153	92	77	50.32	80
11	Factory hands.....	1,556	1,479	1,382	89.39	90
12	Farm hands	1,126	1,130	988	87.75	87
13	Firemen	238	210	187	97.55	85
14	Housemen	1,557	1,456	1,429	91.77	90
15	Janitors	565	469	458	80.10	90

Table 15—Concluded

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES—	
		Employment.	Help.		Securing work.	Securing help.
16	Laborers.....	16,135	16,421	15,954	98.81	97.15
17	Laborers, railroad.....	4,266	4,991	4,178	97.93	83.71
18	Machinists and helpers.....	493	406	337	68.35	83.00
19	Packers.....	167	147	142	85.03	96.53
20	Painters.....	201	175	157	78.10	89.71
21	Porters.....	1,373	1,258	1,243	90.53	98.80
22	Salesmen.....	68	57	50	73.85	87.71
23	Stockmen.....	345	335	324	93.91	96.71
24	Teamsters.....	846	773	745	88.06	96.37
25	Waiters.....	551	509	489	88.74	96.07
26	Watchmen.....	255	158	156	61.17	98.73
27	Window washers.....	499	536	485	97.19	90.48
28	Yardmen.....	207	200	194	93.71	97.00

FEMALES.

	Females.....	14,913	18,230	12,939	86.76	70.97
1	Chambermaids.....	1,358	1,495	1,175	86.52	78.59
2	Cooks.....	1,236	1,497	1,065	86.16	71.14
3	Day work.....	1,338	1,109	1,071	80.04	96.57
4	Dining room help.....	361	483	326	90.30	67.49
5	Dishwashers.....	1,047	1,161	963	91.98	82.94
6	Domestic.....	567	984	521	91.88	52.94
7	Factory work.....	977	1,351	888	90.89	65.72
8	General housework.....	3,478	5,097	3,208	92.23	62.93
9	Housekeepers.....	340	273	190	55.88	69.56
10	Kitchen help.....	990	1,111	897	90.60	80.73
11	Laundresses.....	458	519	403	88.20	77.64
12	Nurses.....	215	229	160	74.41	69.86
13	Office work, bookkeeping.....	170	126	70	41.77	55.55
14	Pantry work.....	191	196	148	77.48	75.51
15	Scrubwomen.....	736	818	667	90.62	81.54
16	Seamstresses.....	230	228	207	90.00	90.78
17	Second work.....	346	426	298	86.12	69.95
18	Stenographers.....	96	52	35	36.45	67.30
19	Waitresses.....	779	1,075	647	83.05	60.18

GROUPING OF OCCUPATIONS.

All of the occupations shown in previous tables for employment for help, and for positions filled, have been grouped and classified, the males in nine classes and the females in seven classes, with the percentages in each class :

TABLE 16—Classified Occupations of Applicants for Employment, Positions Secured and Applications for Help, in the Four Offices, with Percentages in Each Class.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	Males.....	42, 023	.....	*39, 420	.....	42, 077	.....
	AGRICULTURAL.....	1, 774	100.00	1, 598	100.00	1, 777	100.00
1	Dairymen	72	4.06	68	4.25	68	3.82
2	Farm hands.....	1, 126	63.47	968	61.83	1, 130	63.59
3	Florists	1	.06	.....	.....	.....	.....
4	Fruit pickers.....	23	1.30	23	1.44	25	1.41
5	Gardners.....	155	8.74	143	8.95	158	8.89
6	Harvest hands.....	52	2.93	52	3.25	61	3.44
7	Stockmen	345	19.45	324	20.28	335	18.86
	CLERICAL.....	752	100.00	468	100.00	483	100.00
1	Bookkeepers.....	38	5.05	12	2.57	15	3.11
2	Cashiers.....	4	.53	3	.64	3	.62
3	Clerks, drug.....	3	.40	2	.43	2	.41
4	Clerks, hotel.....	2	.27	1	.21	1	.21
5	Clerks, shipping.....	52	6.92	48	10.26	48	9.93
6	Clerks, not stated.....	470	62.50	237	50.64	246	50.94
7	Stenographers.....	26	3.46	17	3.63	20	4.14
8	Stockkeepers	151	20.08	146	31.20	146	30.23
9	Timekeepers.....	6	.79	2	.42	2	.41
	COMMERCIAL.....	620	100.00	552	100.00	611	100.00
1	Agents.....	80	12.90	79	14.31	86	14.08
2	Boys, delivery.....	140	22.58	133	24.09	138	22.59
3	Boys, messenger.....	4	.65	4	.72	4	.65
4	Boys, office.....	42	6.77	38	6.90	38	6.22
5	Canvassers	104	16.78	101	18.29	112	18.33
6	Collectors	52	8.39	38	6.90	40	6.55
7	Distributors.....	51	8.23	49	8.87	49	8.02
8	Draughtsmen	2	.32	.....	.....	5	.82
9	Managers.....	1	.16	1	.18	1	.16
10	Salesmen.....	68	10.97	50	9.06	57	9.33
11	Solicitors.....	69	11.13	58	10.50	80	13.09
12	Storekeepers.....	1	.16	1	.18	1	.16
13	Wholesale.....	6	.96	.....	.....	.....	.....

* Including 364 positions secured from applications filed the previous year.

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	DOMESTIC SERVICE.....	5,213	100.00	4,761	100.00	4,888	100.00
1	Butlers.....	29	.56	27	.57	31	.64
2	Carpet layers.....	2	.04	2	.04	3	.06
3	Cooks.....	601	11.53	520	10.92	563	11.53
4	Dining room work.....	2	.04	2	.04	2	.04
5	Dishwashers.....	748	14.35	719	15.10	727	14.89
6	Housemen.....	1,557	29.87	1,429	30.02	1,456	29.82
7	Kitchen work.....	206	5.10	246	5.17	250	5.12
8	Pantrymen.....	4	.08	4	.08	4	.08
9	Panwashers.....	80	1.53	80	1.68	80	1.64
10	Porters.....	1,373	26.33	1,243	26.11	1,258	25.76
11	Waiters.....	551	10.57	489	10.27	509	10.42
	MANUAL LABOR.....	20,495	100.00	20,225	100.00	21,574	100.00
1	Hod carriers.....	2	.01	1	.01	1	.01
2	Laborers.....	16,135	78.73	15,954	78.89	16,421	76.11
3	Laborers, railroad.....	4,206	20.81	4,178	20.65	4,991	23.13
4	Section men.....	92	.45	92	.45	161	.76
	PROFESSIONAL.....	49	100.00	43	100.00	48	100.00
1	Actors.....	12	24.49	12	27.91	16	33.33
2	Architects.....					1	2.08
3	Artists.....	1	2.04				
4	Nurses.....	25	51.02	21	48.84	21	43.75
5	Teachers, swimming.....	2	4.08	2	4.65	2	4.17
6	Teachers, not stated.....	9	18.37	8	18.00	8	16.67
	TRADES.....	3,342	100.00	2,535	100.00	3,278	100.00
1	Bakers.....	60	1.79	46	1.77	55	1.68
2	Barbers.....	11	.33	9	.35	9	.28
3	Bartenders.....	44	1.32	27	1.04	29	.89
4	Bench hands.....	11	.33	3	.12	3	.09
5	Blacksmiths.....	121	3.62	92	3.55	114	3.46
6	Boilermakers.....	43	1.29	36	1.39	57	1.76
7	Bookbinders.....	2	.06				
8	Boxmakers.....	36	1.08	29	1.11	29	.89
9	Brass finishers.....	3	.09				
10	Brick layers.....	13	.39	11	.42	11	.34
11	Bridge builders.....	2	.06				
12	Butchers.....	29	.87	18	.69	20	.61
13	Cabinet makers.....	34	1.02	25	.96	57	1.74
14	Calceminers.....	10	.30	10	.39	10	.31
15	Candy makers.....	3	.09	3	.12	3	.09
16	Car builders.....	8	.24	8	.31	15	.46
17	Carpenters.....	574	17.18	511	19.69	639	21.33
18	Cigar makers.....	4	.12	1	.04	1	.03
19	Coal miners.....	66	1.97	66	2.54	117	3.57
20	Core makers.....	3	.09	1	.04	1	.03
21	Deck hands.....	24	.72	23	.89	34	.73
22	Die makers.....	1	.03				
23	Drill pressmen.....	86	2.57	45	1.73	45	1.37
24	Drop hammerers.....	1	.03	1	.04	2	.06
25	Electricians.....	59	1.77	39	1.50	43	1.31
26	Engineers.....	153	4.58	77	2.97	92	2.81
27	Firemen.....	238	7.12	187	7.21	201	6.10
28	Glassworkers.....	2	.06				
29	Harness makers.....	6	.18	5	.19	5	.15
30	Horseshoers.....	1	.03				
31	Iron workers.....	39	1.17	32	1.23	33	1.02
32	Japanners.....	11	.32	9	.35	13	.40

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
33	Lathe hands.....	10	.29	4	.15	4	.13
34	Laundrymen.....	73	2.18	65	2.52	65	1.98
35	Locksmiths.....	8	.24	8	.31	8	.25
36	Machine hands.....	97	2.90	78	3.01	78	2.38
37	Machinists.....	396	11.85	259	9.98	328	10.01
38	Malsters.....	10	.29	10	.39	10	.30
39	Masons, brick.....	8	.24	7	.27	7	.22
40	Metal workers..	60	1.79	51	1.96	59	1.77
41	Millwrights.....	4	.12	1	.04	4	.13
42	Miners.....	15	.45	14	.54	14	.43
43	Molders.....	123	3.68	105	4.04	204	6.22
44	Packers.....	167	5.00	142	5.47	147	4.49
45	Painters.....	201	6.01	157	6.05	175	5.34
46	Paper hangers.....	8	.24	6	.23	7	.22
47	Pattern makers.....	18	.54	11	.42	22	.69
48	Photographers.....	1	.03				
49	Pipefitter.....	1	.03	1	.04	1	.03
50	Plasterers.....	1	.03	1	.04	1	.03
51	Plumbers.....	9	.27	6	.23	6	.19
52	Polishers.....	7	.21	5	.19	5	.15
53	Pressmen.....	61	1.83	52	2.00	57	1.74
54	Printers.....	17	.51	11	.42	11	.34
55	Punch press hands.....	24	.72	15	.58	15	.46
56	Riggers.....	2	.06	2	.08	2	.06
57	Roofers.....	16	.47	15	.58	20	.61
58	Sawyers.....	18	.54	17	.65	17	.52
59	Shoemakers.....	5	.15	2	.08	3	.09
60	Steamfitters.....	61	1.83	43	1.66	53	1.62
61	Stonecutters.....	1	.03	1	.04	1	.03
62	Stone masons.....	1	.03				
63	Tailors.....	9	.27	6	.23	7	.21
64	Tinsmiths.....	148	4.43	127	4.89	164	5.00
65	Toolmakers.....	3	.09	2	.08	2	.07
66	Triphammerers.....	1	.03	1	.04	2	.06
67	Upholsterers.....	29	.87	29	1.11	58	1.77
68	Wagon makers.....	7	.21	5	.19	7	.21
69	Wood finishers.....	3	.09	1	.04	3	.09
70	Woodworkers.....	21	.63	21	.81	21	.65
	TRANSPORTATION.	2,991	100.00	2,714	100.00	2,815	100.00
1	Barnmen.....	392	13.11	380	14.00	388	13.78
2	Coachmen.....	61	2.04	44	1.62	47	1.67
3	Drivers.....	141	4.71	68	2.51	68	2.42
4	Elevatormen.....	160	5.35	110	4.06	112	3.98
5	Hostlers.....	31	1.04	27	1.00	27	.96
6	Sailors.....	1	.03				
7	Switchmen.....	1	.03	1	.03	1	.04
8	Teamsters.....	846	28.29	745	27.45	773	27.46
9	Telegraphers.....	3	.10	2	.07	2	.07
10	Truckmen.....	1,355	45.30	1,337	49.26	1,397	49.62
	MISCELLANEOUS.	6,787	100.00	6,100	100.00	6,608	100.00
1	Apprentices.....	35	.51	5	.08	6	.09
2	Awning men.....	1	.02	1	.02	1	.02
3	Blacksmith helpers.....	6	.09	4	.07	4	.07
4	Bootblacks.....	9	.13	9	.15	9	.15
5	Boys.....	1,113	16.40	1,004	16.46	1,173	17.76
6	Boys, bell.....	76	1.12	76	1.25	81	1.23
7	Boys, elevator.....	17	.25	16	.27	16	.25
8	Boys, errand.....	14	.21	13	.22	13	.20
9	Boys, hotel.....	7	.10	7	.11	7	.11
10	Brick makers.....	2	.03	2	.03	2	.03
11	Brush makers.....	4	.06	2	.03	6	.09
12	Canvassmen.....	7	.10	7	.12	9	.15
13	Carriage and wagon wash's	59	.87	92	.92	63	.96
14	Cement finishers.....	1	.02				

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
15	Cleaners, harness.....	2	.03	2	.03	2	.03
16	Coffee men.....	3	.04	3	.05	3	.05
17	Concrete workers.....	1	.02	.....	.....	.....	.....
18	Detective.....	1	.02	.....	.....	.....	.....
19	Embalmer.....	1	.02	.....	.....	.....	.....
20	Factory hands.....	1,556	22.92	1,382	22.66	1,479	22.39
21	Furnace tender.....	1	.02	1	.02	1	.02
22	Gate men.....	13	.19	13	.22	16	.25
23	Grinder.....	1	.02	1	.02	1	.02
24	Handymen.....	976	14.38	959	15.56	1,005	15.06
25	Hotel work.....	5	.07	3	.05	3	.05
26	Ice cutters.....	160	2.36	159	2.61	209	3.16
27	Interpreters.....	4	.06	3	.05	23	.35
28	Janitors.....	565	8.32	458	7.51	469	7.10
29	Linemen.....	1	.02	.....	.....	.....	.....
30	Mill work.....	37	.54	28	.46	35	.53
31	Molder helper.....	1	.02	.....	.....	.....	.....
32	Mortar mixer.....	1	.02	1	.02	1	.02
33	Motorman.....	1	.02	.....	.....	.....	.....
34	Office help.....	27	.40	9	.15	10	.15
35	Oilers.....	6	.09	.....	.....	.....	.....
36	Pin setters.....	36	.53	36	.59	44	.67
37	Powder mill men.....	12	.18	12	.20	12	.18
38	Showman.....	1	.01	1	.02	1	.02
39	Stovem en.....	3	.04	3	.05	3	.05
40	Tally men.....	2	.03	2	.03	2	.03
41	Tile setters.....	1	.01	1	.02	1	.02
42	Tobacco stripper.....	1	.01	1	.02	1	.02
43	Ushers.....	6	.09	6	.10	7	.11
44	Vise hand.....	1	.01	.....	.....	.....	.....
45	Watchmen.....	255	3.76	156	2.56	158	2.39
46	Well drillers.....	1	.01	1	.02	1	.02
47	Whitewashers.....	4	.06	4	.07	4	.06
48	Window dressers.....	1	.01	.....	.....	.....	.....
49	Window washers.....	499	7.35	485	8.00	536	8.11
50	Window wipers.....	2	.03	2	.03	2	.03
51	Wood choppers.....	12	.18	11	.19	21	.32
52	Yardmen.....	207	3.05	194	3.19	200	3.03
53	Miscellaneous, not classif'd	1,029	15.16	961	15.77	968	14.65

FEMALES.

	FEMALES.....	15.466	*14.197	18.831
	CLERICAL.....	266	100.00	105	100.00	178	100.00
1	Bookkeepers.....	19	7.14	6	5.72	6	3.37
2	Office work.....	151	56.77	64	60.95	120	67.42
3	Stenographers.....	96	36.09	35	33.33	52	29.21
	COMMERCIAL.....	298	100.00	219	100.00	275	100.00
1	Addressers.....	15	5.03	9	4.11	14	5.09
2	Bottle labelers.....	51	17.11	46	21.00	48	17.45
3	Canvassers.....	25	8.39	25	11.42	35	12.73
4	Cashiers.....	40	13.42	21	9.59	23	8.36
5	Clerks.....	96	32.22	58	26.48	70	25.45
6	Checkers.....	1	.34	1	.46	1	.36
7	Collectors.....	7	2.35	4	1.82	4	1.46
8	Demonstrators.....	18	6.04	16	7.31	21	7.64
9	Distributors.....	2	.67	2	.91	2	.73
10	Mail order help.....	6	2.01	6	2.74	8	2.91
11	Saleswomen.....	8	2.69	3	1.37	3	1.09
12	Solicitors.....	23	7.72	22	10.05	39	14.18
13	Wrappers.....	6	2.01	6	2.74	7	2.55

*Including 819 positions secured from applications filed previous year.

Table 16—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	DOMESTIC SERVICE.	13,285	100.00	11,628	100.00	16,297	100.00
1	Chambermaids	1,358	10.22	1,175	10.11	1,495	9.18
2	Cooks	1,236	9.30	1,085	9.34	1,497	9.19
3	Day workers	1,359	10.27	1,071	9.21	1,109	6.81
4	Dining room help	961	7.23	336	2.90	439	2.71
5	Dishwashers	1,047	7.89	963	8.28	1,161	7.13
6	Dishwipers	6	.05	6	.05	6	.04
7	Domestics	567	4.27	521	4.48	934	5.74
8	General housework	3,478	26.18	3,208	27.58	5,097	31.29
9	Hotel help	14	.11	7	.06	7	.04
10	Housekeepers	340	2.56	190	1.63	273	1.68
11	Ironers	5	.04	5	.04	5	.03
12	Kitchen help	990	7.45	897	7.71	1,111	6.82
13	Laundresses	458	3.45	403	3.47	519	3.19
14	Linen room work	4	.03	4	.04	4	.03
15	Pantry work	191	1.44	148	1.27	196	1.20
16	Pastry cooks	8	.06	8	.06	7	.04
17	Reception service	3	.02	3	.03	4	.03
18	Scrub women	736	5.54	667	5.74	818	5.02
19	Second cooks	6	.04	4	.04	4	.03
20	Second work	346	2.60	399	3.42	426	2.62
21	Silver women	14	.11	14	.12	16	.10
22	Waitresses	779	5.86	647	5.56	1,075	6.54
	PERSONAL SERVICE	14	100.00	9	100.00	17	100.00
1	Companions	7	50.00	5	55.56	9	52.94
2	Lady's maid	2	14.29	2	22.22	2	11.76
3	Matrons	5	35.71	2	22.22	6	35.30
	PROFESSIONAL	215	100.00	161	100.00	230	100.00
1	Nurses	215	99.54	160	99.38	229	99.57
2	Teacher	1	.46	1	.62	1	.43
	TRADES	260	100.00	235	100.00	317	100.00
1	Baker	1	.39	1	.43	1	.32
2	Cigar makers	22	8.46	22	9.36	22	6.94
3	Dressmakers	5	1.92	4	1.70	5	1.58
4	Milliners	2	.77	1	.43	1	.31
5	Seamstresses	230	88.46	207	88.08	288	90.85
	MISCELLANEOUS	1,127	100.00	1,021	100.00	1,517	100.00
1	Agents	3	.26	3	.29	3	.19
2	Bindery work	7	.62	6	.59	6	.40
3	Cleaner	1	.09	1	.10	1	.07
4	Factory work	977	86.69	999	86.97	1,351	89.06
5	Folders, circular	12	1.06	12	1.17	16	1.05
6	Janitresses	20	1.77	9	.88	12	.79
7	Labelers	6	.53	5	.49	6	.40
8	Models	5	.44	5	.49	6	.40
9	Operators	9	.80	9	.88	12	.79
10	Packers	3	.26	2	.20	2	.13
11	Telephone operators	3	.27	3	.29	3	.19
12	Tobacco strippers	3	.27	3	.29	3	.19
13	Tray work	1	.09	1	.10	1	.07
14	Typewriters	2	.18	1	.09	1	.07
15	Vegetable women	12	1.07	11	1.00	11	.72
16	Miscellaneous, not classif'd	64	5.68	63	6.17	85	5.60

RECAPITULATION OF GROUPING.

The totals of the several groups shown in Table 16 for both sexes are recapitulated and shown in the following table:

TABLE 17—*Classified Occupations (Males and Females) with Percentages.*

Number.	SEX AND CLASSIFICATION OF OCCUPATION.	Number of occupations in each class.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
			Number.	Percentages.	Number.	Percentages.	Number.	Percentages.
	MALES		42,023	100.00	39,420	100.00	42,077	100.00
	Not classified.....				364			
	Total				39,056			
1	Agricultural.....	7	1,738	4.14	1,598	4.09	1,777	4.22
2	Clerical.....	9	752	1.79	468	1.20	483	1.15
3	Commercial.....	13	620	1.48	552	1.41	611	1.45
4	Domestic services.....	11	5,213	12.41	4,761	12.19	4,883	11.61
5	Manual labor.....	4	20,496	48.77	20,225	51.79	21,574	51.27
6	Professional.....	6	49	.11	43	.11	48	.11
7	Trades.....	70	3,378	8.03	2,596	6.64	3,278	7.79
8	Transportation.....	11	2,991	7.12	2,714	6.96	2,815	6.69
9	Miscellaneous.....	53	6,787	16.15	6,100	15.62	6,608	15.71
	FEMALES		15,466		14,197		18,831	
	Not classified.....				819			
	Total				13,378			
1	Clerical	3	266	1.72	106	.78	178	.96
2	Commercial.....	13	298	1.93	219	1.64	275	1.46
3	Domestic services.....	22	13,286	85.90	11,628	86.92	16,297	86.54
4	Personal service.....	3	14	.09	9	.07	17	.09
5	Professional.....	2	216	1.39	161	1.20	230	1.22
6	Trades.....	5	260	1.68	236	1.76	317	1.68
7	Miscellaneous.....	16	1,127	7.29	1,021	7.63	1,517	8.06

Of the whole number of males registered for employment 48.77 per cent was for manual labor; this class comprised 51.79 per cent of positions secured and 51.27 per cent of the help supplied. For females it is found that 85.90 per cent of the whole number was seeking employment in domestic service; for positions secured 86.92 per cent was in the same class, and supplied 86.54 per cent of the applications for help.

PERCENTAGES OF POSITIONS SECURED.

By omitting the miscellaneous class, as shown in Table 17, the number of employés and employers with the number of positions secured have been reduced to percentages and are shown in the following table:

TABLE 18—*Percentages of Positions Secured to Employé and Employer.*

OCCUPATIONS.	MALES.		FEMALES.	
	PERCENTAGES—POSITIONS SECURED FOR—		PERCENTAGES—POSITIONS SECURED FOR—	
	Employé.	Employer.	Employé.	Employer.
Agriculture.....	91.94	89.93	.....	.....
Clerical.....	62.23	96.89	39.47	58.99
Commercial.....	89.03	90.34	73.49	79.64
Domestic service.....	91.33	97.50	87.53	71.35
Manual labor.....	98.68	93.75	.....	.....
Personal service.....	.....	.....	64.29	52.94
Professional.....	87.76	89.58	74.54	70.00
Trades.....	76.82	79.16	90.38	74.13
Transportation.....	90.74	96.41	.....	.....
Total.....	93.53	92.91	86.18	71.37

This is the condensed results of the work compassed by the four offices during the past year. Observing these percentages for both males and females, for whom positions were secured, should satisfy the public generally of the energetic and efficient agency of these offices in procuring employment to all who may seek this aid tendered by the State. On the other hand, the employer has in like manner been benefited in securing the assistance desired.

Attention is directed to domestic service. There were 16,297 applications filed by employers for female domestic service, this is 86.5 per cent of the whole number registered for all industries. Of the number wanting this class of service 11,628, or 71.35 per cent, were supplied.

This large percentage of domestic help furnished by these offices may be questioned by many individual matrons, but this is the record of the offices and can be easily demonstrated.

AGES OF APPLICANTS FOR EMPLOYMENT.

The grouping of industries is continued, and shows by sexes in Table 19 the classified ages of the 57,489 persons who registered for employment.

TABLE 19—Age Periods by Sexes of Applicants for Employment in Classified Occupations.

Number.	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not re-ported.
	Males—42, 023.....	4, 986	16, 117	11, 973	6, 703	1, 437	153	654
	North Side Office.....	704	2, 718	1, 571	913	261	34	24
	South Side Office.....	2, 039	4, 303	3, 639	1, 769	527	28	.....
	West Side Office.....	1, 360	5, 194	4, 676	3, 132	327	88	596
	Peoria Office	883	3, 902	2, 087	889	322	3	35
	AGRICULTURAL.....	219	708	551	184	47	3	26
1	Dairymen.....	9	37	21	5	.....	.....	.....
2	Farm hands.....	172	476	344	53	18	1	26
3	Florists.....	.....	1	.....	.....	.....	.....	.....
4	Fruit pickers.....	13	10	.....	.....	.....	.....	.....
5	Gardeners.....	8	62	38	25	21	1	.....
6	Harvest hands.....	2	20	28	2	.....	.....	.....
7	Stockmen.....	15	102	120	99	8	1	.....
	CLERICAL.....	87	437	147	54	15	4	8
1	Bookkeepers.....	2	19	9	4	2	1	1
2	Cashiers.....	.....	4	.....	.....	.....	.....	.....
3	Clerks, drug.....	.....	3	.....	.....	.....	.....	.....
4	Clerks, hotel.....	.....	1	.....	.....	.....	.....	1
5	Clerks, shipping.....	.....	19	23	7	3	.....	.....
6	Clerks, not stated.....	73	285	72	31	7	2	.....
7	Stenographers.....	6	15	5	.....	.....	.....	.....
8	Stock keepers.....	6	87	37	12	3	.....	6
9	Time keepers.....	.....	4	1	.....	.....	1	.....
	COMMERCIAL.....	232	211	120	45	11	1	.....
1	Agent.....	11	45	19	4	1	.....	.....
2	Boys, delivery.....	140	.....	.....	.....	.....	.....	.....
3	Boys, messenger.....	4	.....	.....	.....	.....	.....	.....
4	Boys, office.....	41	1	.....	.....	.....	.....	.....
5	Canvassers.....	7	44	35	15	3	.....	.....
6	Collectors.....	7	29	10	5	1	.....	.....
7	Distributors.....	9	30	9	3	.....	.....	.....
8	Draughtsmen.....	.....	1	1	.....	.....	.....	.....
9	Managers.....	.....	.....	1	.....	.....	.....	.....
10	Salesmen.....	8	25	22	9	4	.....	.....
11	Solicitors.....	5	30	22	9	2	1	.....
12	Storekeepers.....	.....	.....	1	.....	.....	.....	.....
13	Wholesale men.....	.....	6	.....	.....	.....	.....	.....
	DOMESTIC SERVICE.....	686	1, 868	1, 385	868	339	34	33
1	Butlers.....	2	12	10	4	1	.....	.....
2	Carpet layers.....	.....	2	.....	.....	.....	.....	.....
3	Cooks.....	55	267	201	53	18	1	6
4	Diningroom work.....	.....	2	.....	.....	.....	.....	.....
5	Dishwashers.....	116	197	175	163	88	4	5
6	Housemen.....	119	509	442	335	139	8	5
7	Kitchen work.....	57	60	58	69	17	2	3
8	Pantrymen.....	2	1	1	.....	.....	.....	.....
9	Panwashers.....	7	36	26	10	1	.....	.....
10	Porters.....	174	493	397	210	74	19	6
11	Waiters.....	154	289	75	24	1	.....	8

Table 19—Continued.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	30, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported
	MANUAL LABOR,	1,226	7,668	6,473	4,058	606	79	26
1	Hod carriers		1	1				
2	Laborers	600	5,898	4,946	3,612	585	75	26
3	Laborers, railroad	553	1,742	1,485	441	41	4	
4	Section men	4	43	41	5			
	PROFESSIONAL	3	20	18	8			
1	Actors	2	7	2	1			
2	Architects							
3	Artists		1					
4	Nurses	1	10	9	5			
5	Teachers, sewing			2				
6	Teachers, not stated		2	5	2			
	TRADES	281	1,627	963	488	119	11	30
1	Bakers	8	39	11	2			
2	Barbers	1	8	2				
3	Bartenders	3	22	13	5	1		
4	Bench hands	1	9	1				
5	Blacksmiths	4	71	26	15	5		
6	Boiler makers		29	11	4			
7	Bookbinders	1	1					
8	Boxmakers	3	25	7	1			
9	Brass finishers		2	1				
10	Bricklayers		3	5	4	1		
11	Bridge builders		2					
12	Butchers		14	9	8	2		1
13	Cabinet makers	1	14	12	2	4		1
14	Calcinners	2	4	3	1			
15	Candy makers	1	2					
16	Car builders		4	1	3			
17	Carpenters	12	196	152	127	60	7	20
18	Cigar makers	1	2		1			
19	Coal miners	8	42	13	3			
20	Coreshakers		3					
21	Deck hands		11	11	2			
22	Die makers		1					
23	Drill pressmen	39	45	8				
24	Droghammerers			1				
25	Electricians	9	27	17	6			
26	Engineers	3	49	54	36	6	1	2
27	Firemen	15	122	83	3	6		6
28	Glassworkers			2				
29	Harness makers		2	3	1			
30	Horseshoers		1					
31	Ironworkers	6	16	9	7	1		
32	Japanner		3	7	2			
33	Lathe hands	1	9					
34	Laundrymen	13	25	22	10	4		
35	Locksmiths		3	4	1			
36	Machine hands	40	51	6				
37	Machinists	24	220	89	45	16		1
38	Malsters	2	6	2				
39	Masons brick		6	2				
40	Metal workers	5	41	7	6		1	
41	Millwrights		3	1	1			
42	Miners		5	7	3			
43	Molders	1	70	39	13			
44	Packers	27	70	46	22		1	1
45	Painters	15	100	54	23	2		2
46	Paper hangers	1	3	2	1	1		
47	Pattern makers		13	3	1	1		
48	Photographers		1					
49	Pipefitters		1					
50	Plasterers		1					
51	Plumbers	1	4	2	2			
52	Polishers, metal	1	4	2				
53	Pressmen	5	37	14	5			

Table 19—Continued.

NUMBER	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not re-ported.
	TRADES—Concluded.							
4	Printers		7	7	3			
5	Punch press hands	11	12	1				
6	Riggers		1	1				
7	Roofers	2	6	5	3			
8	Sawyers		10	6	2			
9	Shoemakers		4	1				
10	Steamfitters	1	30	18	8	1		3
11	Stonecutters		1					
12	Stone masons		1					
13	Tailors		3	2	4			
14	Tinsmiths	14	71	41	16	6		
15	Toolmakers		2	1				
16	Triphammerers		1					
17	Upholsterers		12	12	5			
18	Wagon makers		1	4	1			1
19	Wood finishers	1	2					
20	Woodworkers		15	4	1		1	
	TRANSPORTATION	325	1, 246	924	378	51	3	64
1	Barnmen	4	125	148	93	18	2	2
2	Coachmen		33	22	5	1		
3	Drivers	44	71	16	8	1		1
4	Elevatormen	39	48	40	23	9	1	
5	Hostlers	2	19	6	2	1		1
6	Sailors		1					
7	Switchmen			1				
8	Teamsters	80	352	301	89	18		6
9	Telegraphers		2	1				
10	Truckmen	156	595	389	158	3		54
	MISCELLANEOUS	1, 927	2, 334	1, 490	670	249	18	99
1	Apprentices	21	14					
2	Awningmen			1				
3	Blacksmith helpers	2	3	1				
4	Bootblacks	7	2					
5	Boys	1, 018	94					1
6	Boys, bell	76						
7	Boys, elevator	17						
8	Boys, errand	14						
9	Boys, hotel	7						
10	Brickmakers			2				
11	Brushmakers		2	2				
12	Canvasmen		5	2				
13	Carriage and wagon washers	1	27	19	9	3		
14	Cement finishers		1					
15	Cleaners, harness			1				1
16	Coffee men		1	2				
17	Concrete workers		1					
18	Detectives				1			
19	Embalmers		1					
20	Factory hands	515	647	196	101	84	1	12
21	Furnace tenders				1			
22	Gate men		3		5	3	2	
23	Grinders	1						
24	Handymen	71	398	338	138	26	4	1
25	Hotel work		3	1	1			
26	Ice cutters	32	80	35	12	1		
27	Interpreters				4			
28	Janitors	28	169	199	116	45	8	5
29	Linemen			1				
30	Mill work		17	8	7	5		
31	Molder helpers		1					
32	Mortar mixers			1				
33	Motormen		1					
34	Office help	4	19	1	1	1		
35	Oilers	1	5					
36	Pinsetters	36						
37	Powder mill men		5	7				
38	Showmen		1					
39	Stovem en			3				

Table 19—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not re- ported.
	MANUAL LABOR,	1, 226	7, 668	6, 473	4, 058	606	79	385
1	Hod carriers		1	1				
2	Laborers	699	5, 883	4, 946	3, 612	565	75	385
3	Laborers, railroad	553	1, 742	1, 485	441	41	4	
4	Section men	4	42	41	5			
	PROFESSIONAL	3	20	18	8			
1	Actors	2	7	2	1			
2	Architects							
3	Artists		1					
4	Nurses	1	10	9	5			
5	Teachers, sewing			2				
6	Teachers, not stated		2	5	2			
	TRADES	281	1, 627	863	438	119	11	39
1	Bakers	8	39	11	2			
2	Barbers	1	8	2				
3	Bartenders	3	22	13	5	1		
4	Bench hands	1	9	1				
5	Blacksmiths	4	71	26	15	5		
6	Boiler makers		28	11	4			
7	Bookbinders	1	1					
8	Boxmakers	3	25	7	1			
9	Brass finishers		2	1				
10	Bricklayers		3	5	4	1		
11	Bridge builders		2					
12	Butchers		14	9	3	2		1
13	Cabinet makers	1	14	12	2	4		1
14	Calceminers	2	4	3	1			
15	Candy makers	1	2					
16	Car builders		4	1	3			
17	Carpenters	12	195	153	127	60	7	20
18	Cigar makers	1	2		1			
19	Coal miners	8	42	13	3			
20	Coremakers		3					
21	Deck hands		11	11	2			
22	Die makers		1					
23	Drill pressmen	38	45	3				
24	Drophammerers			1				
25	Electricians	9	27	17	6			
26	Engineers	3	49	54	36	8	1	2
27	Firemen	15	132	83	32	6		6
28	Glassworkers			2				
29	Harness makers		2	3	1			
30	Horseshoers		1					
31	Ironworkers ..	6	16	9	7	1		
32	Japanner		2	7	2			
33	Lathe hands	1	9					
34	Laundrymen	12	25	22	10	4		
35	Locksmiths		3	4	1			
36	Machine hands	40	51	6				
37	Machinists ..	24	220	89	45	16		2
38	Malsters	2	6	2				
39	Masons, brick		6	2				
40	Metal workers	5	41	7	6		1	
41	Millwrights		2	1	1			
42	Miners		5	7	3			
43	Molders	1	70	39	13			
44	Packers	27	70	46	22		1	1
45	Painters	15	100	54	28	2		2
46	Paper hangers	1	3	2	1	1		
47	Pattern makers		13	3	1	1		
48	Photographers		1					
49	Pipefitters		1					
50	Plasterers		1					
51	Plumbers	1	4	2	2			
52	Polishers, metal	1	4	2				
53	Pressmen	5	37	14	5			

Table 19—Continued.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
	TRADES—Concluded.							
54	Printers		7	7	3			
55	Punch press hands	11	12	1				
56	Riggers		1	1				
57	Roofers	2	6	5	3			
58	Sawyers		10	6	2			
59	Shoemakers		4	1				
60	Steamfitters	1	30	18	9	1		2
61	Stonecutters		1					
62	Stone masons		1					
63	Tailors		3	2	4			
64	Tinsmiths	14	71	41	16	6		
65	Toolmakers		2	1				
66	Triphammerers		1					
67	Upholsterers		12	12	5			
68	Wagon makers		1	4	1			1
69	Wood finishers	1	2					
70	Woodworkers		15	4	1		1	
	TRANSPORTATION	325	1,246	924	378	51	3	64
1	Barnmen	4	125	149	99	18	2	2
2	Coachmen		23	22	6	1		
3	Drivers	11	71	16	8	1		1
4	Elevator men	39	49	1	23	9	1	
5	Hostlers	2	19	6	2	1		1
6	Sailors		1					
7	Switchmen			1				
8	Teamsters		352	301	60	18		6
9	Telegraphers		2	1				
10	Truckmen	156	695	389	156	3		64
	MISCELLANEOUS	1,927	2,234	1,490	670	249	19	90
1	Apprentices	21	14					
2	Awningmen			1				
3	Blacksmith helpers	2	2	1				
4	Bootblacks	7	2					
5	Boys	1,018	94					1
6	Boys, bell	78						
7	Boys, elevator	17						
8	Boys, errand	14						
9	Boys, hotel	7						
10	Brickmakers			2				
11	Brushmakers		2	2				
12	Canvasmen		5	2				
13	Carriage and wagon washers	1	27	19	9	2		
14	Cement finishers		1					
15	Cleaners, harness			1				1
16	Coffee men		1	2				
17	Concrete workers		1					
18	Detectives				1			
19	Embalmers		1					
20	Factory hands	515	647	196	101	64	1	12
21	Furnace tenders				1			
22	Gate men		3		5	3	2	
23	Grinders	1						
24	Handymen	71	328	326	138	26	4	1
25	Hotel work		2	1	1			
26	Ice cutters	32	80	25	12	1		
27	Interpreters				4			
28	Janitors	28	169	190	116	45	2	5
29	Linemen			1				
30	Mill work		17	8	7	5		
31	Molder helpers		1					
32	Mortar mixers			1				
33	Motormen		1					
34	Office help	4	19	1	1	1		
35	Oilers	1	5					
36	Pinsetters	36						
37	Powder mill men		5	7				
38	Showmen		1					
39	Stovemakers			3				

Table 19—Continued.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	30, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
40	Tallymen			1	1			
41	Tile setters			1				
42	Tobacco strippers		1					
43	Ushers	4	2					
44	Vise hands		1					
45	Watchmen		15		20	61	5	1
46	Well drillers							1
47	Whitewashers		3	1				
48	Window dressers		1					
49	Window washers	43	242	145	35	2		12
50	Window wipers							2
51	Wood choppers		2	6				4
52	Yardmen	1	54	108	20	9	2	5
53	Miscellaneous, not classified	25	513	329	100	9	1	50
	Females—15,406 ..	2,625	5,621	4,105	2,044	606	30	57
	North Side Office	576	1,348	973	912	274	15	300
	South Side Office	776	1,617	1,424	452	120	1	8
	West Side Office	742	1,420	1,003	693	27	4	70
	Peoria Office	521	1,200	775	106	42	8	101
	CLERICAL	100	100	21	2			3
1	Bookkeepers	2	15	1				
2	Office work	54	79	15	2			1
3	Stenographers	44	45	5				2
	COMMERCIAL	110	130	37	7			5
1	Addressers	12	2					1
2	Bottle labelers	37	35	1				
3	Canvassers	2	12	6	3			2
4	Cashiers	31	11	6	2			
5	Clerks	28	30	7				2
6	Checkers		1					
7	Collectors	1	2	4				
8	Demonstrators		8	9	1			
9	Distributors		2					
10	Mail order help	3	3					
11	Saleswomen	6	3					
12	Solicitors	8	10	4	1			
13	Wrappers	3	3					
	DOMESTIC SERVICE	1,601	4,690	2,957	1,975	456	23	53
1	Chambermaids	103	702	704	113	22	1	40
2	Cooks	25	294	532	378	66	1	61
3	Day workers	31	377	565	291	86	5	68
4	Diningroom help	91	290	30	6		1	3
5	Dishwashers	96	267	306	215	62	3	25
6	Dishwipers		1	2	1	2		
7	Domestics	74	250	127	67	13		16
8	General housework	608	1,512	678	392	120	5	120
9	Hotel help		8	6				1
10	Housekeepers	2	37	103	94	13		20
11	Ironers		2	1	2			
12	Kitchen help	76	249		177	17	4	61
13	Laundresses	15	149	121	17	15	2	12
14	Linen room work			3				1
15	Pantry work	20	90	54				5
16	Pastry cook		3	3				2
17	Reception service		2	1				
18	Scrubwomen	11	151	209	147	36		23
19	Second cooks	2	2	2				
20	Second work	124	147	49	11			11
21	Silver women		2	7	8	1	1	
22	Waitresses	244	606	52	7			10

Table 19—Concluded.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 20 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
	PERSONAL SERVICE.....		4	4	4	1	.....	1
1	Companions		2	2	2	.....	.....	1
2	Lady's maid		1	1	.....	.....	.....	.....
3	Matrons		1	1	2	1	.....	.....
	PROFESSIONAL.....	104	61	25	16	3	.....	7
1	Nurses.....	104	60	25	16	3	.....	7
2	Teachers		1	.....	.....	.....	.....	.....
	TRADES.....	50	154	32	8	1	5	10
1	Baker.....		.....	1	.....	.....	.....	.....
2	Cigarmaker	2	16	3	1	.....	.....	.....
3	Dressmakers		3	1	1	.....	.....	.....
4	Milliners	1	1	.....	.....	.....	.....	.....
5	Seamstresses.....	47	134	27	6	1	5	10
	MISCELLANEOUS	668	301	106	30	4	.....	18
1	Agents.....	1	2	.....	.....	.....	.....	.....
2	Bindery work	1	3	3	.....	.....	.....	.....
3	Cleaners .....	.....	.....	.....	1	.....	.....	.....
4	Factory work.....	618	244	76	19	3	.....	17
5	Folders, circular.....	11	1	.....	.....	.....	.....	.....
6	Janitresses .....	.....	4	9	7	.....	.....	.....
7	Labelers.....	2	4	.....	.....	.....	.....	.....
8	Models.....	.....	4	1	.....	.....	.....	.....
9	Operators.....	1	7	.....	.....	1	.....	.....
10	Packers .....	.....	2	.....	.....	.....	.....	.....
11	Telephone operators.....	2	1	.....	.....	.....	.....	.....
12	Tobacco strippers.....	3	.....	.....	.....	.....	.....	.....
13	Tray work .....	.....	.....	1	.....	.....	.....	.....
14	Typewriters	2	.....	.....	.....	.....	.....	.....
15	Vegetable women	5	3	3	.....	.....	.....	1
16	Miscellaneous, not classified....	22	26	13	3	.....	.....	.....

In reading this table the percentages obtained are exclusive of the number classed as not reported. Of the males 12.05 per cent, and females 17.63 per cent were under twenty years of age; 28,090 males, or 67.9 per cent were between 20 and 40 years of age; 9,726 females, or 63.32 per cent, were of the same range of ages. From 40 to 60 years of age the males number 8,140 to 19.68 per cent; for the same ages females numbered 2,510, or 16.86 per cent.

Of the whole number of applicants less than one-third of one per cent were over 60 years of age.

The whole number of persons of both sexes whose ages are shown in all of the occupations in the several industries in Table 19 are brought forward, and the ages shown by industries and by decades in the following table:

TABLE 20—Summary of Age Periods of Applicants by Classified Occupations.

SEX AND CLASS OF OCCUPATIONS.	Number of occupations in each class.	Totals.	Under 20 years.	20, but under 30 years.	30, but under 40 years.	40, but under 50 years.	50, but under 60 years.	60 years and over.	Not reported.
Percentages of both sexes	.....	.....	13.53	38.64	28.58	15.55	3.38	0.32	.....
Percentage of males	.....	.....	12.05	38.96	28.94	16.20	3.48	.37	.....
Percentage of females	.....	.....	17.63	37.75	27.57	13.73	3.13	.19	.....
Both sexes	247	57,489	7,611	21,738	16,078	8,747	1,903	181	1,231
MALES	183	42,023	4,986	16,117	11,973	6,703	1,437	153	654
Agriculture	7	1,738	219	708	551	184	47	3	26
Clerical	9	752	87	437	147	54	15	4	8
Commercial	13	620	232	211	120	45	11	1	.....
Domestic service	11	5,213	686	1,868	1,385	868	339	34	33
Manual labor	4	20,495	1,226	7,668	6,473	4,058	606	79	385
Professional	6	49	3	20	18	8	.....	.....	.....
Trades	70	3,378	281	1,627	863	438	119	11	39
Transportation	10	2,991	325	1,246	924	378	51	3	64
Miscellaneous	53	6,787	1,920	2,334	1,490	670	249	18	99
FEMALES	64	15,466	2,625	5,621	4,105	2,044	466	28	577
Clerical	3	266	100	140	21	2	.....	.....	3
Commercial	13	298	110	139	37	7	.....	.....	5
Domestic service	22	13,285	1,601	4,830	3,867	1,975	456	23	533
Personal service	3	14	.....	4	4	4	1	.....	1
Professional	2	216	104	61	25	16	3	.....	7
Trades	5	260	50	154	32	8	1	5	10
Miscellaneous	16	1,127	668	301	106	30	4	.....	18

CONJUGAL RELATIONS, ETC.

The classification of the industries, and the several occupations therein, is observed in the following table, showing the conjugal relationship of both sexes:

TABLE 21—*Conjugal Conditions, Members of Trades Unions, Days Idle, and Number Willing to Accept Work Out of City.*

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	MALES..... 42,023	11,534	30,489	8,441	2,278	33,718	6	15,442
	North Side Office.....	1,553	4,672	1,305	131	6,048	8	760
	South Side Office.....	3,175	9,130	4,374	1,549	12,274	3	6,278
	West Side Office	4,772	10,600	2,540	454	15,357	6	6,906
	Peoria Office	2,034	6,087	222	144	.....	.....	1,498
	AGRICULTURAL.....	213	1,561	222	2	1,291	7	1,310
1	Dairymen	14	58	16	.....	35	3	54
2	Farm hands	83	1,043	61	2	810	8	1,057
3	Florists.....	.....	1	.....	.....	.....	.....	.....
4	Fruit pickers.....	.....	23	.....	.....	.....	.....	.....
5	Gardeners	44	111	45	.....	101	5	57
6	Harvest hands	4	48	.....	.....	.....	.....	.....
7	Stockmen	68	277	100	.....	345	4	142
	CLERICAL	129	623	177	91	640	17	201
1	Bookkeepers	9	29	12	.....	33	17	21
2	Cashiers .....	.....	4	.....	.....	.....	.....	.....
3	Clerks, drug.....	.....	3	.....	.....	.....	.....	.....
4	Clerks, hotel .....	.....	2	.....	.....	.....	.....	.....
5	Clerks, shipping	17	35	33	26	51	5	12
6	Clerks, not stated.....	86	384	112	62	377	6	92
7	Stenographers	5	21	9	.....	24	4	9
8	Stockkeepers.....	11	140	11	3	151	20	65
9	Timekeepers	1	5	.....	.....	4	6	2
	COMMERCIAL.....	132	488	88	.....	177	10	164
1	Agents.....	24	56	21	.....	12	2	28
2	Boys, delivery .....	.....	140	.....	.....	.....	.....	.....
3	Boys, messenger.....	.....	4	.....	.....	.....	.....	.....
4	Boys, office.....	.....	42	.....	.....	11	24	4
5	Canvassers	43	61	10	.....	22	9	39
6	Collectors	16	36	10	.....	21	12	10
7	Distributors.....	8	43	14	.....	26	5	10
8	Draughtsmen	1	1	.....	.....	.....	.....	1
9	Managers.....	.....	1	.....	.....	.....	.....	.....
10	Salesmen	20	48	21	.....	47	10	32
11	Solicitors.....	20	49	12	.....	32	11	37
12	Storekeepers .....	.....	1	.....	.....	.....	.....	.....
13	Wholesalemen .....	.....	6	.....	.....	6	9	8

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of town.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	DOMESTIC SERVICE	745	4,453	563	321	4,429	■	1,570
1	Butlers	6	23	5	.....	29	18	13
2	Carpet layers .....	.....	2	.....	.....	.....	.....	.....
3	Cooks	112	499	99	75	440	4	217
4	Dining room work .....	.....	3	.....	.....	.....	.....	.....
5	Dishwashers	104	644	114	150	608	6	321
6	Housemen	127	1,430	79	.....	1,451	4	373
7	Kitchen work	44	223	31	.....	242	4	84
8	Pantrymen	1	3	.....	.....	4	3	3
9	Panwashers	28	54	2	.....	.....	.....	.....
10	Porters	169	1,204	125	.....	1,173	5	300
11	Waiters	156	395	208	96	475	2	301
	MANUAL LABOR	7,073	13,432	4,303	■	15,115	4	7,945
1	Hod carriers.....	.....	2	.....	.....	.....	.....	.....
2	Laborers	5,754	10,351	2,612	183	15,115	4	5,199
3	* Laborers, railroad	1,277	2,939	1,591	207	.....	.....	2,776
4	Sectionmen	12	80	.....	.....	.....	.....	.....
	PROFESSIONAL	11	38	14	.....	25	7	14
1	Actors	3	9	.....	.....	.....	.....	.....
2	Architects .....	.....	.....	.....	.....	.....	.....	.....
3	Artists .....	.....	1	.....	.....	1	29	.....
4	Nurses	6	19	9	.....	15	7	19
5	Teachers, swimming.....	.....	2	.....	.....	.....	.....	.....
6	Teachers, not stated	2	7	5	.....	9	■	4
	TRADES	1,019	2,323	1,323	714	2,797	7	1,019
1	Bakers	20	40	23	11	30	7	19
2	Barbers	3	9	4	.....	7	15	4
3	Bartenders	11	33	21	20	35	9	13
4	Bench hands	2	9	2	2	11	62	3
5	Blacksmiths	25	86	52	19	82	7	45
6	Boilermakers	15	26	23	.....	40	7	27
7	Bookbinders .....	.....	2	.....	.....	2	7	1
8	Boxmakers	15	21	20	17	45	3	23
9	Brass finishers	1	2	2	.....	3	21	.....
10	Bricklayers	6	7	12	2	13	6	4
11	Bridge builders .....	.....	2	.....	.....	2	2	2
12	Butchers	7	22	13	3	23	6	14
13	Cabinetmakers	9	25	6	10	23	10	11
14	Calcininers	3	7	5	7	10	3	3
15	Candy makers	1	2	2	.....	2	7	2
16	Car builders	2	6	4	1	8	7	2
17	Carpenters	181	333	305	236	454	5	186
18	Cigar makers .....	.....	4	.....	3	4	10	.....
19	Coal miners.....	19	43	4	39	.....	.....	50
20	Coke makers	2	1	2	1	3	30	1
21	Deck hands	5	19	9	9	19	11	16
22	Die makers .....	.....	1	.....	.....	.....	.....	.....
23	Drill pressmen.....	4	22	.....	.....	85	3	22
24	Drop hammerers .....	.....	1	.....	.....	.....	.....	.....
25	Electricians	14	45	20	13	51	3	16
26	Engineers	101	52	122	47	137	15	54
27	Firemen	54	184	62	49	240	5	79
28	Glass workers	1	1	.....	.....	.....	.....	.....
29	Harness makers	3	3	.....	2	6	5	2
30	Horseshoers.....	.....	1	.....	.....	.....	.....	.....
31	Iron workers.....	12	27	17	17	33	2	19

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number married.	Number single.	Number of de- pendent child- ren.		Number.	Average days idle.	
	TRADES—Concluded.							
23	Japanners.....	5	6	2		11	6	
24	Lathe hands.....	1	9	1	3	10	37	6
25	Laundrymen.....	21	52	31	18	66	5	20
26	Locksmiths.....	3	6			1	4	4
27	Machine hands.....	12	85	18	6	95	5	45
28	Machinists.....	125	271	153	84	345	8	84
29	Malsters.....	2	8					
30	Mason, brick.....	3	5	2	2			
31	Metal workers.....	12	48	8	4	60	10	9
32	Millwrights.....	1	3			3	11	1
33	Miners.....	4	11	7	4	14	4	13
34	Molders.....	33	91	39	12	98	6	37
35	Packers.....	35	132	40		162	6	68
36	Painters.....	64	137	63	64	139	3	24
37	Paper hangers.....	2	6	2	2	2	4	2
38	Pattern makers..	7	11	3	1	7	4	2
39	Photographers.....		1					
40	Pipe fitters.....		1					
41	Plasterers.....		1					
42	Plumbers.....	3	6	6	3	9	2	2
43	Polishers.....	3	4	2	1	7	9	3
44	Pressmen.....	17	44	8	5	58	9	8
45	Printers.....	5	13	7	4	17	3	7
46	Punch press hands..	3	21	1		24	8	4
47	Riggers.....	1	1					2
48	Roofers.....	5	11	7		16	2	8
49	Sawyers.....	9	9	4		2	30	1
50	Shoemakers.....	1	4		1	1	18	1
51	Steamfitters.....	30	31	51	14	54	5	10
52	Stone cutters.....		1			1	9	1
53	Stone masons.....		1					
54	Tailors.....	7	2	15		8	8	1
55	Tinsmiths.....	62	96	51		143	7	5
56	Tool makers.....	2	1	6	1	3	16	1
57	Trip hammerers.....		1					
58	Upholsterers.....	19	10	40		39	2	4
59	Wagon makers.....	1	6	1	1			3
60	Wood finishers.....		3			3	10	1
61	Wood workers.....	1	20	2	2	20	8	9
	TRANSPORTATION.....	884	2,107	739	337	2,371	7	1,101
1	Barrenmen.....	99	293	127	2	212	11	86
2	Coachmen.....	25	36	12	8	50	14	24
3	Drivers.....	21	120	15	13	136	3	40
4	Elevatormen.....	31	129	30	11	157	7	57
5	Hostlers.....	3	23	4		25	2	12
6	Sailors.....		1			1	12	1
7	Switchmen.....	1		2	1			
8	Teamsters.....	277	569	196	150	473	7	442
9	Telegraphers.....		3					
10	Truckmen.....	427	928	351	152	1,315	7	439
	MISCELLANEOUS.....	1,342	5,445	910	501	5,880	7	2,118
1	Apprentices.....	1	34	2		31	21	21
2	Awning men.....	1		2		1	5	1
3	Blacksmith helper..	1	5			3	17	2
4	Bootblacks.....		9			9	1	6
5	Boys.....	2	1,111			1,113	7	376
6	Boys, bell.....		76					
7	Boys, elevator.....		17					
8	Boys, errand.....		14			3	12	1
9	Boys, hotel.....		7					
10	Brick makers.....		2					

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	MISCELLANEOUS— <i>Concluded.</i>							
11	Brushmakers	2	2	2	.....	1	14	1
12	Canvassmen	2	5	.....	.....	.....	.....	.....
13	Carriage and wagon washers ...	25	34	28	1	42	4	12
14	Cement finishers .....	.....	1	.....	.....	.....	.....	.....
15	Cleaners, harness	1	1	.....	.....	2	7	1
16	Coffee men .....	.....	3	.....	.....	.....	.....	.....
17	Concrete workers .....	.....	1	.....	.....	.....	.....	.....
18	Detectives	1	.....	.....	.....	.....	.....	1
19	Embalmers .....	.....	1	.....	.....	.....	.....	.....
20	Factory hands	272	1,284	261	145	1,454	8	686
21	Furnace tenders .....	.....	1	.....	.....	.....	.....	.....
22	Gate men	3	10	2	.....	.....	.....	.....
23	Grinders .....	.....	1	.....	.....	.....	.....	.....
24	Handymen	435	541	61	.....	587	2	67
25	Hotel work .....	.....	5	.....	.....	.....	.....	.....
26	Ice cutters	38	122	52	.....	160	18	104
27	Interpreters	1	3	.....	.....	.....	.....	3
28	Janitors	152	413	151	69	519	7	108
29	Linemen .....	.....	1	.....	.....	1	1	1
30	Mill work	21	16	15	.....	37	10	3
31	Molders' helpers .....	.....	1	.....	.....	.....	.....	.....
32	Mortar mixers .....	.....	1	.....	.....	.....	.....	.....
33	Motormen .....	.....	1	.....	.....	.....	.....	.....
34	Office help	5	22	.....	.....	22	53	3
35	Oilers .....	.....	6	.....	.....	6	15	3
36	Pin setters .....	.....	36	.....	.....	.....	.....	.....
37	Powder mill men	12	.....	.....	.....	.....	.....	12
38	Showmen .....	.....	1	.....	.....	.....	.....	.....
39	Stovem en .....	.....	3	.....	.....	1	12	1
40	Tallymen	2	.....	.....	.....	.....	.....	.....
41	Tile setters .....	.....	1	.....	.....	.....	.....	.....
42	Tobacco strippers .....	.....	1	.....	.....	.....	.....	.....
43	Ushers .....	.....	6	.....	.....	.....	.....	.....
44	Vise hands	1	.....	1	.....	.....	.....	1
45	Watchmen	153	102	119	89	230	15	49
46	Well drillers .....	.....	1	.....	.....	.....	.....	.....
47	Whitewashers .....	.....	4	.....	.....	3	7	2
48	Window dressers .....	.....	1	.....	.....	.....	.....	.....
49	Window washers	102	397	103	187	492	4	113
50	Window wipers .....	.....	2	.....	.....	.....	.....	.....
51	Wood choppers	2	10	.....	.....	.....	.....	8
52	Yardmen	41	166	16	.....	146	4	43
53	Miscellaneous, not classified ...	66	963	95	10	1,017	5	490
	Females—15,466	5,838	9,628	3,864	.....	12,162	16	2,255
	North Side Office	2,014	2,372	1,098	.....	3,993	6	441
	South Side Office	1,309	3,093	1,230	.....	4,374	3	1,346
	West Side Office	1,701	2,090	1,342	.....	3,795	42	371
	Peoria Office	808	2,073	194	.....	.....	.....	97
	CLERICAL	21	245	16	.....	163	14	32
1	Bookkeepers	1	18	.....	.....	.....	.....	.....
2	Office work	13	138	5	.....	100	15	13
3	Stenographers	7	89	11	.....	63	13	14
	COMMERCIAL	58	240	24	.....	124	11	37
1	Addressers	1	14	.....	.....	11	7	7
2	Bottle labelers	4	47	2	.....	51	8	.....
3	Canvassers	6	19	3	.....	.....	.....	.....
4	Cashiers	10	30	8	.....	7	15	1

Table 21—Continued.

Number	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle	
	COMMERCIAL— <i>Uncluded.</i>							
5	Clerks	16	80	6		■	28	5
6	Checkers	1						
7	Collectors	4	3					
8	Demonstrators	5	13			13	9	8
9	Distributors		2					
10	Mail order help		6			6	26	
11	Saleswomen	3	5	1		5	20	
12	Solicitors	6	17	4		17	6	18
13	Wrappers	3	4			4	4	
	DOMESTIC SERVICE	5,517	7,768	■		■	14	2,078
1	Chambermaids	276	982	136		1,121	21	359
2	Cooks	529	607	327		1,126	16	314
3	Day workers	1,172	166	968		968	12	63
4	Diningroom help	62	299	13		236	■	79
5	Dishwashers	592	455	414		910	11	190
6	Dishwashers	4	2	1				
7	Domestics	185	392	53		567	53	96
8	General housework	669	2,810	385		2,690	2	545
9	Hotel help	4	10					
10	Housekeepers	228	112	74		240	12	116
11	Ironers	4	1	1				
12	Kitchen help	506	454	460		849	12	108
13	Laundresses	278	180	249		335	12	49
14	Linen room work	2	2					
15	Pantry work	40	151	26		175	7	40
16	Pastry cooks	5	3	1				1
17	Reception service		3			2	14	2
18	Scrub women	600	136	609		539	17	24
19	Second women	1	5					
20	Second work	35	311	11		271	11	15
21	Silver women	9	5	1				2
22	Waitresses	117	662	71		718	17	176
	PERSONAL SERVICE	11	■	2		2	14	2
1	Companions	4	3	2				
2	Lady's maids	2						2
3	Matrons	5				2	14	1
	PROFESSIONAL	51	165	13		89	8	42
1	Nurses	50	165	13		89	8	42
2	Teachers	1						
	TRADES	59	201	32		193	31	8
1	Bakers	1						
2	Cigar makers	5	17	1				1
3	Dressmakers	2	3			1	7	1
4	Milliners		2					
5	Seamstresses	51	179	31		192	31	6
	MISCELLANEOUS	126	1,001	79		896	47	56
1	Agents	1	2					
2	Bindery work	3	4	2		2	6	
3	Cleaner	1						
4	Factory work	72	905	45		799	49	53
5	Folders, circular		12			12	78	

Table 21—Concluded.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	MISCELLANEOUS—Concluded.							
6	Janitresses	15	none	10	..	17	26	..
7	Labelers . . . . .	..		..	..	..	..	..
8	Models . . . . .	..		..	..	..	..	..
9	Operators . . . . .	..		..	..	..	..	..
10	Packers . . . . .	..		..	..	..	..	..
11	Telephone operators	3		..	..	..	..	..
12	Tobacco strippers	1		..	..	..	..	..
13	Tray work . . . . .	..		..	..	..	..	..
14	Typewriters . . . . .	..		..	..	2	2	..
15	Vegetable women	9		3	..	..	..	..
16	Miscellaneous, not classified	21	43	18	..	64	23	1

The foregoing table shows a classification by occupations in the several industries, and is supplemented by Table 22, showing in condensed form the classification by industries:

TABLE 22—Summary of Conjugal Conditions, Members of Trades Unions, Days Idle and Number Willing to Accept Work Out of City, with Percentages.

OCCUPATIONS.		CONJUGAL CONDITIONS.			Number of dependent children.	Number members of trades unions.	IDLENESS.		Number willing to work out of city.
SEX AND CLASSIFICATION BY INDUSTRIES.	Number of occupations in each class.	Totals.	Number married.	Number single.			Number	Average days idle.	
Both sexes.....	245	57,489	17,391	40,098	0	2,456	45,880	8	17,097
Percentage—both sexes.....			30.25	69.75					30.78
Percentage—males.....			27.48	72.52		5.85			26.86
Percentage—females.....			37.78	62.22					3.92
MALES.....	182	42,023	11,548	30,475	8,844	2,456	33,718	6	15,442
Agricultural.....	7	1,774	213	1,561	223	2	1,391	7	1,316
Clerical.....	9	752	129	623	177	91	640	17	301
Commercial.....	13	620	132	488	88		177	10	164
Domestic service.....	10	5,213	745	4,468	663	321	4,429	5	1,570
Manual labor.....	4	20,495	7,078	13,422	4,303	490	16,118	4	7,945
Professional.....	6	49	11	38	14		25	7	14
Trades.....	70	2,342	1,019	1,323	1,700	714	2,787	11	1,019
Transportation.....	10	2,991	884	2,107	789	277	2,871	7	1,101
Miscellaneous.....	53	6,787	1,342	5,445	910	501	5,860	7	2,118
FEMALES.....	64	15,466	5,843	9,623	2,894		12,162	16	2,255
Clerical.....	3	266	21	245	16		163	14	22
Commercial.....	13	299	59	240	24		124	11	37
Domestic service.....	22	12,285	5,517	7,768	3,699		10,706	14	2,078
Personal service.....	2	14	11	3	2		2	14	2
Professional.....	2	216	51	165	10		11	11	42
Trades.....	5	290	59	231	32		193	31	9
Miscellaneous.....	16	1,127	128	1,001	78		896	47	55

Of the 42,023 males, 11,548, or 27.48 per cent, were married and 30,475, or 72.52 per cent, were single. Of the 15,466 females, 5,843, or 37.78 per cent, were married and 9,623, or 62.22 per cent were single. Taking the whole number (57,489) 17,391, or 30.25 per cent, were married, and 40,098, or 69.75 per cent were single. These figures are shown at the head of the table and in the total number of each sex.

There were 12,208 dependent children reported by the married of 3,864 by married women.

In six of the industries and the miscellaneous class of males, 2,456, unions; of the females there were none reported on this subject.

Each applicant registering for employment is requested to state the and are shown in Table 21 by occupations, and in this table (22) by the largest average being seventeen days in the several occupations 12,162 reporting is shown to be sixteen days; for both sexes eight days.

The number of males registering as willing to take positions outside number, 50 per cent of these are classed as manual laborers. The cities may perhaps be classed as a floating population, having no per- anywhere to accept places to work; as to females only 2,255, or 14.58

NATIONALITY OF

Every applicant for employment registers his or her nationality, not following. Here, in addition to American, appears seventeen different ification is by industries and occupations. Following this detailed of males and females and both sexes:

TABLE 23—*Nationality of all*

MALES.

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollander.
	AGRICULTURAL	816	5	14	18	29	50	6	27
1	Dairymen	44				1	1		13
2	Farm hands	543	2	9	9	13	27	6	202
3	Florists	1							
4	Fruit pickers	20							4
5	Gardeners	64	1	4	2	7	7	1	45
6	Harvest hands	41							9
7	Stockmen	103	2	1	13	9	25		55
	CLERICAL	412	2	9	4	10	18	9	120
1	Bookkeepers	20			1		3		8
2	Cashiers	4							
3	Clerks, drug	3							
4	Clerks, hotel					1			
5	Clerks shipping	26							10
6	Clerks, not stated	282	1	5	3	9	10	7	62
7	Stenographers	20					2		3
8	Stockkeepers	54	1	1			2	2	35
9	Timekeepers	2					1		3
	COMMERCIAL	454	5	8	1		15		78
1	Agents	48					1		23
2	Boys, delivery	140							
3	Boys, messenger	4							
4	Boys, office	29							
5	Canvassers	78	1	1			5		11
6	Collectors	37					1		9
7	Distributors	31	3				1		5
8	Draughtsmen	2							
9	Manager	1							

both sexes. Of this number 8,344 were reported by married men and or 6 per cent of the whole number, are reported as belonging to trade number of days they have been idle ; these days are reduced to averages industries. For 33,718 males reporting the average was six idle days, designated as clerical industry. For females the average idle days for of the respective cities was 15,442, or 36.74 per cent of the whole number signifying a willingness to accept employment away from the permanent home, or ties of any kind to hold or keep them from going per cent, were willing to go from their homes away from the cities.

APPLICANTS FOR EMPLOYMENT.

their birthplace. The record of all the offices is presented in Table 23 foreign countries, represented by applicants for employment. The class-table will be found a recapitulation showing the totals and percentages

Applicants for Employment.

MALES.

[illegible]

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
	COMMERCIAL—Concluded.								
10	Salesmen.....	35	1	2	1		2		14
11	Solicitors.....	45			1		6		15
12	Storekeepers.....	1							
13	Wholesalers.....	2							1
	DOMESTIC SERVICE.....	2,222	34	55	41	40	196	78	902
1	Butlers.....	11			4		4	2	1
2	Carpet layers.....						1		
3	Cooks.....	333		2	1	4	24	12	89
4	Diningroom work.....	1							
5	Dishwashers.....	208		20	4	5	22	9	118
6	Housemen.....	599	11	15	12	12	70	16	267
7	Kitchen work.....	65	9	4	5		8	11	42
8	Pantrymen.....						1	1	1
9	Panwashers.....	59		1			1		4
10	Porters.....	574	14	14	6	16	43	19	263
11	Waiters.....	278			9	1	24	8	87
	MANUAL LABOR.....	8,989	290	632	208	448	447	204	2,924
1	Hod carriers.....	2							
2	Laborers.....	8,906	280	630	206	448	447	204	2,925
3	Laborers.....	7							
4	Section men.....	72		2	2				6
	PROFESSIONAL.....	51				1	1		1
1	Actors.....	6				1	1		1
2	Architects.....								
3	Artists.....	1							
4	Nurses.....	18					3		6
5	Teachers, swimming.....	2							
6	Teachers, not stated.....	9							
	TRADES.....	1,477	51	49	22	68	85	1	594
1	Bakers.....	27		3			4	2	26
2	Barbers.....	7							1
3	Bartenders.....	19		2					26
4	Bench hands.....	4		1		1			3
5	Blacksmiths.....	59	1		1		5		25
6	Boiler makers.....	19	2			1	1		7
7	Book binders.....								
8	Box makers.....	17			1				6
9	Brass finishers.....	1		1					
10	Bricklayers.....	6							3
11	Bridge builders.....	2							
12	Butchers.....	12	1			1		2	9
13	Cabinet makers.....	9	1	1		4	1		4
14	Calclminers.....	5							
15	Candy makers.....	1							1
16	Car builders.....	3	1						
17	Carpenters.....	286	3	3	3	17	6	1	36
18	Cigar makers.....	3							
19	Coal miners.....	48	1						
20	Core makers.....	1							1
21	Deck hands.....	18			3				1
22	Die makers.....								
23	Drill press hands.....	19	7			4	1	25	4
24	Drop hammerers.....						1		
25	Electricians.....	32			2				11
26	Engineers.....	78				1	4	1	23
27	Firemen.....	122	1		3	3	8		62
28	Glass workers.....	1							1

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Hobemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
TRADES—Concluded.									
20	Harness makers	2				1	1		1
21	Horseshoers	1							
22	Iron worker	15		1	1	2			4
23	Japanners	3						1	4
24	Lathe hands	2							2
25	Laundrymen	35				3	2		14
26	Locksmiths	1					1		8
27	Machine hands	25	7	2		5	4		15
28	Machinists	109	8	11		11	20	2	76
29	Malsters	8						1	
30	Masons, brick	5							
31	Metal workers	14		2	1	2	10	1	7
32	Millwrights	2							1
33	Miners	4	2				1		2
34	Molders	1	1	8		2	1	1	19
35	Packers	68	1	5	4	2	8	1	25
36	Painters	109	1	1	5	1	4	4	25
37	Paperhangers	6					2		
38	Pattermakers	11	1			1			
39	Photographers	1							
40	Pipefitters	1							
41	Plasterers	1							
42	Plumbers	2	1					1	1
43	Polishers	4		1					
44	Pressmen	30		1	1		1		10
45	Printers	7					2		4
46	Punch press hands	5		1					6
47	Riggers								
48	Roofers	4	1		1	1	1		2
49	Sawyers	5	1				1	1	4
50	Shoemakers	1							1
51	Steamfitters	25	2				3		12
52	Stonecutters					1			
53	Stonemasons	1							
54	Tailors	1		1			2		3
55	Tinsmiths	62	3		1	1	1		41
56	Toolmakers		1				1		1
57	Triphammerers								1
58	Upholsterers	9	2	1		1	1		6
59	Wagonmakers	5							1
60	Wood finishers			1		1			1
61	Woodworkers	12							5
TRANSPORTATION		1,514	39	102	51	74	59	11	395
1	Barrenmen	242	2	2	4	1	7		65
2	Coachmen	25			2	1	10		3
3	Drivers	54		8		5	4	1	22
4	Elevatormen	55		1		2	4		27
5	Hostlers	17			1	1	1		4
6	Sailors	1							
7	Switchmen	1							
8	Teamsters	490	10	20	19	14	11	8	87
9	Telegraphers	3							
10	Truckmen	402	29	71	35	50	22	2	174
MISCELLANEOUS		2,235	92	192	38	106	142	39	1,004
1	Apprentices	14		4		2			9
2	Awningmen	1							
3	Blacksmith helpers	4		2					
4	Boothblacks								
5	Boys	644		15	4	4	15	3	129
6	Boys, bell	76							
7	Boys, elevator	17							
8	Boys, errand	12							
9	Boys, hotel	7							

TABLE 33—

	Classification of Occupations	American	Austrian	Belgian	British	French	German	Irish	Polish	Portuguese and Hollanders	
10	MISCELLANEOUS—Continued										
11	Bricklayers	1								1	
12	Bricklayers	1								1	
13	Carriers	1								1	
14	Carriers and wagon drivers	20		1			4			5	
15	Carriers and drivers	1								1	
16	Carriers and drivers	1								1	
17	Carriers	2								2	
18	Carriers and drivers	1								1	
19	Carriers	1								1	
20	Factory hands	20	25	15	22	25	25	22		134	
21	Farmer and laborer	1								1	
22	Farmer	6								6	
23	Farmer										
24	Handyman	25	9	2		21	15	6		72	
25	Hot. work	4								4	
26	Ice cutters	20	5	1	3	1	4			34	
27	Interpreters							2		2	
28	Janitors	24	9	6	5	20	17	3		84	
29	Janitors										
30	Mill work	15		1			1			17	
31	Molders and pipefitters	1								1	
32	Mortar mixers	1								1	
33	Mortuary	1								1	
34	Other men	17								17	
35	Others	1								1	
36	Painters	20								20	
37	Powder mill men	10								10	
38	Shoemakers	1								1	
39	Shoemakers	2								2	
40	Tailors										
41	Tin setters	1								1	
42	Tobacco strippers										
43	Upholsterers	2					1	1		4	
44	Vice hands	1								1	
45	Watchmen	25		5	2	2	14	1		49	
46	Wet. drillers	1								1	
47	White-washers	1								1	
48	Window dressers						1			1	
49	Window washers	100	13	15	1	20	15	3		157	
50	Window wipers	2								2	
51	Wood choppers	6			1					7	
52	Yardmen	20	3	10	2	1	5			41	
53	Miscellaneous, not classified	200	4	24	6	14	19	6		263	

FEMALES

CLERICAL		150			4		9	4	26
1	Bookkeepers	17							17
2	Office work	112			3		5	4	124
3	stenographers	70			1		4		75
COMMERCIAL		198	2	3	3	1	12	3	212
1	Addressers	14				1			15
2	Bottle labelers	22		1				1	24
3	Cashiers	12	2	1			2		17
4	Cashiers	22					1		23
5	Clerks	70					5		75
6	Checkers	1							1
7	Collectors	6							6
8	Demonstrators	11							11

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
COMMERCIAL.									
9	Distributors	1							1
10	Mail order help	1		1					
11	Saleswomen	1							1
12	Solicitors	12			8		4	2	1
13	Wrappers	6							
DOMESTIC SERVICE.		4,851	61	343	208	140	359	173	2,085
1	Chambermaids	723		10	14	7	24	16	141
2	Cooks	351	4	25	25	24	78	61	297
3	Day workers	512	5	22	13	6	58	9	185
4	Diningroom help	251		2	1	3	10	2	29
5	Dishwashers	239	9	20	19	9	22	11	225
6	Dishwipers	3							
7	Domestics	103		21	3	15	5	7	181
8	General housework	1,103	13	25	67	73	85	30	468
9	Hotel help	12							
10	Housekeepers	238			10		15	4	18
11	Ironers	5							
12	Kitchen help	304	11	41	10	15	22	4	179
13	Laundresses	204		4	4		19		74
14	Diningroom work	6							
15	Pantry work	44		4	6	1	6	2	35
16	Pastry cooks	5						1	7
17	Reception service	3							
18	Scrub women	123	19	43	6	3	20	123	17
19	Second cooks	6							
20	Second work	119			1	3	6	1	6
21	Silver women	12							
22	Waitresses	408		17	23	10	26	9	70
PERSONAL SERVICE		12					1		
1	Companions	6							
2	Lady's maids	2							
3	Matrons	4							
PROFESSIONAL		135			3		10	4	24
1	Nurses	124			3		10	1	26
2	Teachers	1							
TRADES.		130		3	3	2	7	4	41
1	Bakers	1							
2	Cigar makers	19							
3	Dressmakers	2							1
4	Milliners	2							
5	Seamstresses	107		3	3	2	7	4	61
MISCELLANEOUS, NOT CLASSIFIED.		644		30	10	8	12	12	16
1	Agents	3							
2	Bindery work	5							1
3	Cleaners	1							
4	Factory work	547		26	10	8	12	11	16
5	Folders circular	9							1

Continued.

Irish.	Italian.	Norwegian.	Polish.	Russian.	Scandinavian.	Scottish.	Swede.	Swiss.	Welsh.	Miscellaneous.	Not reported.	Totals.	Number.
1	.	.	.	.	1	.	.	.	.	.	1	2	9
.	.	.	.	.	.	.	.	.	.	.	.	3	10
.	.	.	.	.	.	.	.	.	.	.	.	3	11
.	.	.	.	.	.	.	.	.	.	.	.	23	12
.	.	.	.	.	.	.	.	.	.	.	.	6	13
2,570	51	249	407	30	21	212	973	42	29	270	217	13,285	
248	.	17	17	2	3	18	56	7	.	17	38	1,358	1
276	9	35	9	1	2	30	63	6	3	5	33	1,236	2
349	1	18	36	5	.	16	65	1	2	8	12	1,338	3
26	.	2	3	.	.	1	16	.	.	11	5	351	4
279	11	28	44	4	1	8	37	3	6	5	5	1,047	5
4	.	.	.	.	.	.	.	.	.	.	.	6	6
50	2	49	10	.	10	8	32	.	.	4	6	567	7
634	5	85	69	11	3	65	468	18	.	162	72	3,478	8
1	.	.	.	.	.	.	.	.	.	1	.	14	9
27	2	2	.	.	2	7	9	1	1	9	1	340	10
201	11	23	39	3	.	11	49	3	2	19	12	890	11
83	2	7	2	1	.	18	20	.	.	9	10	458	12
46	3	8	9	.	.	4	9	5	.	2	5	191	13
.	.	.	.	.	.	.	.	.	.	.	.	4	14
176	4	27	114	3	.	5	41	.	2	5	4	736	15
76	.	26	3	.	.	7	46	1	3	5	4	346	16
.	.	.	.	.	.	.	.	.	.	2	.	14	17
.	1	32	3	.	.	16	42	2	5	6	10	779	18
1	.	.	.	.	.	.	.	.	.	.	.	14	19
1	.	.	.	.	.	.	.	.	.	.	.	7	20
.	.	.	.	.	.	.	.	.	.	.	.	2	21
.	.	.	.	.	.	.	.	.	.	.	.	5	22
17	.	.	1	.	3	4	10	.	.	5	8	216	1
17	.	.	1	.	3	4	10	.	.	5	8	215	2
.	.	.	.	.	.	.	.	.	.	.	.	1	3
52	.	1	5	1	.	1	3	.	.	2	2	260	
.	.	.	2	1	.	.	.	.	.	1	.	1	1
.	.	.	.	.	.	.	.	.	.	.	.	23	2
52	.	1	3	.	.	1	3	.	.	1	2	5	3
.	.	.	.	.	.	.	.	.	.	.	.	2	4
88	3	17	22	.	.	10	27	.	1	47	13	230	5
1	.	.	.	.	.	.	.	.	.	.	.	3	
75	3	18	19	.	.	10	36	.	1	47	11	7	1
.	.	.	.	.	.	.	.	.	.	.	.	1	2
.	.	.	.	.	.	.	.	.	.	.	.	1	3
.	.	.	.	.	.	.	.	.	.	.	.	1	4
.	.	.	.	.	.	.	.	.	.	.	.	12	5

TABLE 23—

Number.	Classification of Occupation.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
6	Janitresses..	12							2
7	Labelers	1							
8	Models	1							1
9	Operators.	1							1
10	Packers	1							
11	Telephone operators	1							
12	Tobacco strippers.	1							
13	Tray work	1							
14	Typewriters	1		1					
15	Vegetable women.	10							
16	Miscellaneous, not classified	26		1				1	13

TABLE 24—Summary of Nativity of all App

SEX AND CLASSIFICATION OF OCCUPATION.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
Totals both sexes.....	24,818	581	1,336	629	956	1,472	595	8,749
Males.....	18,654	518	1,057	403	776	1,032	395	6,423
Females	6,159	63	279	226	180	440	200	2,326
Percentage of males.....	48.58	1.35	2.75	1.05	2.02	2.69	1.03	16.73
Percentage of females.....	41.37	.42	1.87	1.52	1.21	2.96	1.34	15.62
Percentage of both sexes	46.56	1.09	2.51	1.18	1.79	2.76	1.12	16.42
MALES—								
Agriculture.....	816	5	14	18	29	60	6	327
Clerical.....	412	2	9	4	10	18	9	120
Commercial.....	454	5	3	1	.....	15	.....	78
Domestic service.....	2,223	34	56	41	40	198	78	962
Manual labor.....	8,989	290	632	208	448	447	204	2,934
Professional.....	31	.....	.....	.....	17	4	.....	7
Trades.....	1,477	51	49	32	68	88	48	594
Transportation.....	1,314	39	102	61	74	59	11	398
Miscellaneous.....	2,938	92	192	38	106	143	39	1,003
FEMALES.								
Clerical.....	199	.....	.....	4	.....	9	4	24
Commercial.....	198	2	3	3	1	12	3	34
Domestic service.....	4,851	61	243	203	169	389	173	2,025
Personal service.....	12	.....	.....	.....	.....	1	.....	.....
Professional.....	125	.....	.....	3	.....	10	4	26
Trades.....	130	.....	3	3	2	7	4	44
Miscellaneous	644	.....	30	10	8	12	12	173

Omitting the miscellaneous class and those not reporting, it is shown eighteen different countries. Of the whole number 72.06 per cent were head of the table give the total number in each nationality, while the Considering these percentages, it will be seen that of the males 48.58 nationality. Taking the American, German and Irish nationalities, tute 75.54 per cet. For both sexes these three nationalities represent The reports of the superintendents of the four offices follow, showing

licants for Employment, by Classified Occupations.

Irish.	Italian.	Norwegian.	Polish.	Russian.	Scandinavian.	Scotch.	Swede.	Swiss.	Welsh.	Miscellaneous.	Not reported.	Totals.
5,984	559	1,933	1,453	387	■	610	2,856	242	205	1,777	2,425	57,439
2,172	506	1,513	997	256	16	379	1,827	200	175	1,445	■	42,023
2,762	54	370	441	31	26	231	1,029	■	30	232	245	15,405
0.26	1.51	3.94	2.60	93	04	96	4.76	.52	.46	.....	.....	.....
18.55	.36	2.49	2.96	21	18	1.65	6.91	.28	.30	.....	.....	.....
11.14	1.05	2.53	2.70	.73	06	1.15	5.36	.45	.38	.....	.....	.....
67	2	82	16	3	..	16	110	4	19	13	121	1,736
44	1	13	15	2	..	7	28	1	1	12	44	752
24	1	2	6	.....	..	3	5	..	1	3	■	639
422	44	166	62	20	5	49	163	49	31	67	501	5,212
1,461	322	752	469	170	4	155	979	111	75	1,097	667	20,426
.....	.....	1	..	..	1	1	.....	.....	.....	1	2	49
185	12	140	104	12	2	40	152	21	16	61	225	2,373
387	51	96	66	23	..	32	123	7	11	21	134	2,991
442	71	254	259	120	4	77	352	17	22	160	456	6,787
14	.....	3	1	..	1	2	3	..	.....	1	2	268
20	.....	.....	5	.....	1	2	4	.....	.....	7	3	298
1,970	51	349	407	30	21	212	973	42	29	270	217	13,235
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
17	.....	.....	1	.....	3	4	10	.....	.....	5	8	216
53	.....	1	5	1	.....	1	8	.....	.....	2	2	269
98	3	17	22	..	..	10	37	.....	1	47	19	1,127

that 53,287 of both sexes reported their nationality, represented by the males and 27.94 per cent were females. The first three lines at the second three lines give the percentages.

Per cent were Americans, and 41.37 per cent of the females the same of the males, they represent 73.57 per cent, while the females consist 74.12 per cent of the total number.

the work in detail for each office.

NORTH SIDE FREE EMPLOYMENT OFFICE, 259-261 NORTH CLARK STREET, CHICAGO.

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPTEMBER 30, 1906.

(John E. Hufmeyer, Superintendent.)

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with section six of the Act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of the North Side office for the year ended September 30, 1906, together with the expense of maintaining the office for the same period.

This report will give in detail the work of this office for the time herein stated.

Respectfully submitted,

**JOHN E. HUFMEYER,
Superintendent.**

Expense Account from October 1, 1905, to September 30, 1906.

.....	\$1,200 00	Advertising.....	\$ 59 60
.....	75 00	Postage.....	124 00
ets and curtains	197 85	Telephone and toll	127 30
ory	7 50	Ice and water.....	2 25
service	12 00	Miscellaneous	30 54
.....	29 02		
towel supplies	15 75	Total.....	\$1,880 81

Report of the Chicago North Side Free Employment Office
to the State Bureau of Labor Statistics, for the Year Ended Sept
1906.

MALES.

CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
	Number filed.	Number positions secured.	Number unfiled.	Number filed.	Number unfiled.
.....	12	12	.....	16	4
ects .....	.....	.....	.....	1	1
3	1	.....	1	.....	.....
3	4	1	3	2	1
n	75	73	2	76	3
iders.....	11	5	6	7	2
miths	21	17	4	22	5
makers	3	.....	3	.....	.....
eeperers.....	10	2	8	4	2
lkers	1	.....	1	.....	.....
.....	416	385	31	434	49
makers	3	1	2	5	4
ers.....	4	2	2	3	1
s.....	10	8	2	9	1
t makers.....	7	5	2	6	1
ssers.....	5	3	2	5	2
iters.....	49	38	11	48	10
ge and wagon washers.....	17	16	1	20	4
nakers	3	1	2	1	.....
, not stated.....	103	82	21	85	3
nen.....	12	9	3	10	1
ors.....	8	3	5	5	2
.....	56	43	13	52	9
lands.....	4	4	.....	5	1
akers	1	1	.....	1	.....
outors	12	12	.....	12	.....
lkers	1	.....	1	2	2
ashers.....	74	73	1	75	2
htsmen.....	2	.....	2	3	3
ressmen.....	1	.....	1	.....	.....
s	36	34	2	34	.....
ives	1	.....	1	.....	.....
room.....	2	2	.....	2	.....
icians	6	4	2	5	1
ammerers	1	1	.....	2	1
ormen	27	24	3	25	1
ers.....	29	18	11	24	6

North Side Office—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATION FOR HELP	
		Number filed.	Number positions secured.	Number unfiled.	Number filed.	Num unfil
38	Factory hands.....	240	208	32	265	
39	Farmers	128	116	12	131	
40	Firemen	36	29	7	32	
41	Gate-men	18	13		16	
42	Grinders	1	1		1	.....
43	Gardeners	12	12		15	
44	Glass workers	2		2		.....
45	Handymen.....	554	539	15	582	
46	Housemen	500	486	14	498	
47	Japanners.....	11	9	2	13	
48	Iron workers.....	7	6	1	6	.....
49	Janitors.....	129	112	17	115	
50	Kitchenwork	23	22	1	23	
51	Laborers.....	2,559	2,471	88	2,707	
52	Laundrymen.....	2	1	1	1	.....
53	Locksmiths.....	5	5		5	.....
54	Machine hands	2	1	1	1	.....
55	Machinists.....	57	41	16	43	
56	Metal workers.....	22	16	6	22	
57	Mill work	37	28	9	35	
58	Millwrights				3	
59	Miners	1		1		.....
60	Molders	15	5	10	18	
61	Nurses	5	4	1	4	.....
62	Office help	22	9	13	10	
63	Packers	19	18	1	20	
64	Painters	37	23	14	34	
65	Paper hangers.....	3	2	1	3	
66	Pan washers.....	14	14		14	.....
67	Pattern makers.....	2	1	1	2	
68	Porters	236	226	10	235	
69	Pressmen	41	35	6	40	
70	Riggers	2	2		2	.....
71	Salesmen	7	1	6	3	
72	Sawyers	16	16		17	
73	Shoemakers	2	1	1	1	.....
74	Solicitors	22	12	10	25	
75	Steam fitters.....	10	1	9	5	
76	Stenographers.....	7	4	3	6	
77	Stock men.....	81	78	3	82	
78	Tailors.....	1		1		.....
79	Teamsters	56	48	8	50	
80	Time keepers	2	2		2	.....
81	Tinsmiths.....	120	103	17	128	
82	Trip hammerers.....	1	1		2	
83	Tally men.....	2	2		2	.....
84	Upholsterers.....					5
85	Wagon makers	3	1	2	2	
86	Waiters.....	15	14	1	17	
87	Watchmen	22	14	8	14	.....
88	Whitewashers	1	1		1	.....
89	Window dressers	1		1		.....
90	Window washers	76	74	2	84	
91	Yardmen.....	15	15		15	.....
Total.....		6,225	5,722	503	6,358	
Positions secured, previous applications.....			291	291		
Yearly total		6,225	6,013	212	6,358	

FEMALES.

1	Addressers.....	4	4		7	
2	Bookkeepers.....	3	1	2	1	.....
3	Canvassers.....				4	
4	Cashiers	2	1	1	1	.....
5	Clerks.....	10	9	1	14	

North Side Office—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfiled.	Number filed.	Number unfiled.
6	Chambermaids	410	383	27	481	98
7	Cooks	400	376	24	506	130
8	Dayworkers	503	491	12	504	13
9	Demonstrators	1	1	.....	6	5
10	Dining room help	98	95	3	197	102
11	Dishwashers	271	263	8	327	64
12	Factory work	133	132	1	253	121
13	General housework	1,452	1,440	12	2,062	622
14	Housekeepers	67	46	21	70	24
15	Janitresses	3	2	1	3	1
16	Kitchen help	289	281	8	322	41
17	Laundresses	99	97	2	127	30
18	Matrons	2	1	1	5	4
19	Nurses	61	51	10	79	28
20	Office work	26	9	17	27	18
21	Pantry work	38	30	8	37	7
22	Operators	9	9	.....	12	3
23	Scrubwomen	182	177	5	206	29
24	Seamstresses	27	20	7	53	33
25	Second work	145	136	9	184	48
26	Solicitors .....	.....	.....	.....	3	3
27	Stenographers	26	8	18	19	11
28	Tray work	1	1	.....	1	.....
29	Waitresses	122	111	11	212	101
30	Wrappers	2	2	.....	2	.....
Total		4,386	4,177	209	5,725	1,548
Positions secured, previous applications .....		.....	109	109	.....	109
Yearly total		4,386	4,286	100	5,725	1,439

**SOUTH SIDE FREE EMPLOYMENT OFFICE, 429-431 WABASH AVENUE,
CHICAGO.**

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPTEMBER 30, 1906.

[William H. Cruden, Superintendent.]

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Illinois:

SIR—Complying with section 6 of the Act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of the South Side office for the year ended September 30, 1906, together with the expense of maintaining the office for the same period.

This report shows an increase of 3,153 positions secured over last year; it also shows many more mechanical positions secured, namely, 98 carpenters over last year, and twice as many blacksmiths; in factory hands, 352; machinists, 66; housemen, 324; teamsters, 171; painters, 42; and clerks, 65. This reference is made because some dissatisfied persons have reported that we secured only the most menial positions. It is also intended to call attention to the increase of work for the employes of this office, and that we are all doing more than is welcome; that there is a limit to the number of positions to be given out in this kind of an office, and unless more employes can be provided for the ensuing year at increased salaries, it may be that next year's report will fall short of this one.

Since I took charge of this office there has been added the task of paroling prisoners from the various penal institutions of this State, finding them employment, and, incidently, homes, caring for their parole reports, also their behavior. This creates here a department, which, in addition to the enforcement of law against licensed agencies, is equally important with the police department, if not greater, because its morals must be on a higher plane.

In order to successfully handle persons on parole, their conviction was not procured without expense, their reformation must necessarily cost something, and is equally essential.

At the present writing I have paroled from Menard, Randolph county, 20 prisoners; from Joliet, Will county, 17; from the State Reformatory, five; and on account of the publicity given the problem, I am constantly confronted with the work of finding positions for many discharged prisoners from other institutions, both in and out of the State. They come recommended by almost every one, who may make it their vocation to sign paroles for such persons. Our records show that we have cared for in this manner a total of 57.

Our method of keeping the record of these paroled persons has been commended by the best of judges, being men of well known and practical experience. The press, the police, and the general public are invited to examine the entire method as established in this office.

I am officially informed that the police records of this city show a decided improvement in the methods followed by agents of private employment offices, that complaints to the police department have almost ceased; the same is true as to complaints made to this office. Our record or arrests corresponding to that of the police department is a new addition, and is also open to inspection.

Respectfully submitted,

WILLIAM H. CRUDEN,
Superintendent.

Expense Account from October 1, 1905, to September 30, 1906.

Rent of office	\$1,062 00	Traveling expenses, miscellaneous, etc	\$53 61
Advertising	400 00	Ice and water	49 82
Office furniture, repairs and cleaning	335 22	Telegraphing	9 43
Postage	260 00		
Office supplies	218 64		
Telephone and toll service	198 69	Total	\$2,065 32
Light and power	77 91		

Annual Report of the Chicago South Side Free Employment Office to the State Bureau of Labor Statistics, for the Year Ended Sept. 35, 1906.

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	12	11	1	11	.....
2	Any light work	11	1	10	1	.....
3	Awning men	1	1	.....	1	.....
4	Bakers	22	21	1	22	1
5	Barbers	5	5	.....	5	.....
6	Barnmen	105	98	7	102	4
7	Bartenders	13	10	3	10	.....
8	Blacksmiths	41	36	5	52	16
9	Boilermakers	34	34	.....	55	21
10	Bootblacks	9	9	.....	9	.....
11	Bookkeepers	14	6	8	7	1
12	Boxmakers	34	29	5	29	.....
13	Boys	262	243	19	352	109
14	Bricklayers	11	10	1	10	.....
15	Butchers	14	12	2	13	1
16	Butlers	18	18	.....	21	3
17	Cabinetmakers	9	8	1	39	31
18	Carpenters	240	236	4	392	156
19	Carriage and wagon washers	30	29	1	32	3
20	Cashiers	2	2	.....	2	.....
21	Carpet layers	1	1	.....	2	1
22	Calclminers	10	10	.....	10	.....
23	Clerks, drug	1	1	.....	1	.....
24	Clerks, shipping	50	47	3	47	.....
25	Clerks, not stated	129	83	46	88	5
26	Coachmen	20	17	3	19	2
27	Collectors	11	7	4	7	.....
28	Cooks	308	285	23	307	22
29	Deck hands	18	17	1	17	.....
30	Dishwashers	464	442	22	446	4
31	Dairymen	35	33	2	33	.....
32	Distributors	26	24	2	24	.....
33	Electricians	34	30	4	33	3
34	Elevatormen	93	78	15	79	1
35	Engineers	62	37	25	45	8

South Side—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
36	Factory hands.....	675	646	29	675	29
37	Farm hands.....	305	282	23	385	103
38	Firemen	98	85	13	95	10
39	Gardeners	73	68	5	78	10
40	Handymen.....	33	33	.....	33	.....
41	Harnessmakers.....	5	5	.....	5	.....
42	Hostlers	3	3	.....	3	.....
43	Housemen	862	780	82	793	13
44	Ice cutters.....	160	159	1	209	50
45	Interpreters	4	3	1	23	20
46	Ironworkers	29	26	3	27	1
47	Janitors	267	236	31	243	7
48	Kitchenwork	196	184	12	187	3
49	Laborers, railroad	4,259	4,171	88	4,984	813
50	Laundrymen.....	61	54	7	54	.....
51	Machine hands	48	46	2	46	.....
52	Machinists.....	106	99	7	161	62
53	Millwrights.....	1	1	.....	1	.....
54	Miners	11	11	.....	11	.....
55	Molders	41	40	1	106	66
56	Nurses	12	11	1	11	.....
57	Packers.....	82	77	5	80	3
58	Painters	78	73	5	76	3
59	Paperhangers	1	1	.....	1	.....
60	Pantrymen	4	4	.....	4	.....
61	Patternmakers	4	3	1	3	.....
62	Plumbers	5	4	1	4	.....
63	Porters	720	639	81	645	6
64	Pressmen	10	9	1	9	.....
65	Printers	14	11	3	11	.....
66	Roofers	16	15	1	20	5
67	Salesmen	36	32	4	33	1
68	Shoemakers	1	1	.....	1	.....
69	Solicitors	9	9	.....	10	7
70	Steamfitters	23	20	3	25	1
71	Stenographers.....	14	10	4	11	5
72	Stockmen.....	264	246	18	253	1
73	Switchmen	1	1	.....	1	.....
74	Tailors.....	8	6	2	7	1
75	Teachers, not stated	9	8	1	8	.....
76	Teamsters	279	253	26	273	20
77	Telegraphers	2	2	.....	2	.....
78	Tinsmiths	18	17	1	28	11
79	Truckmen	374	368	6	418	50
80	Ushers	6	6	.....	7	1
81	Upholsterers	28	28	.....	48	20
82	Waiters.....	439	396	43	411	15
83	Watchmen.....	128	109	19	111	2
84	Window washers	206	198	8	239	41
85	Wood chppers	2	2	.....	2	.....
86	Yardmen.....	126	113	13	119	6
Total.....		12,305	11,535	770	13,313	1,778

FEMALES.

1	Bindery work.....	2	2	.....	2	.....
2	Cashiers	11	6	5	7	1
3	Clerks.....	9	5	4	12	7
4	Chambermaids	377	300	77	493	183
5	Companions	1	.....	1	4	4
6	Cook	442	395	47	627	232
7	Dayworkers	200	194	6	215	21
8	Demonstrators	13	13	.....	13	.....
9	Dishwashers.....	396	359	37	471	112
10	Factory work.....	187	149	38	314	165
11	General housework.....	1,208	954	254	1,999	1,045

South Side—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
12	Housekeepers	70	49	21	89	40
13	Janitresses	4	3	1	5	2
14	Kitchen help	327	286	41	428	142
15	Lady's maid	2	2	.....	2	.....
16	Laundresses	146	128	18	199	71
17	Models	5	5	.....	5	.....
18	Nurses	52	41	11	73	32
19	Office work	61	38	23	73	35
20	Pantry work	83	68	15	100	32
21	Reception service	2	2	.....	2	.....
22	Saleswomen	1	1	.....	1	.....
23	Scrubwomen	288	254	34	359	105
24	Seamstresses	21	18	3	26	8
25	Second work	94	77	17	136	59
26	Solicitors	17	17	.....	17	.....
27	Stenographers	30	14	16	20	6
28	Waitresses	353	262	91	549	287
Total		4,402	3,642	760	6,231	2,589
Positions secured applications previously filed .....		.....	681	681	.....	681
Total		4,402	4,323	79	6,231	1,908

**WEST SIDE FREE EMPLOYMENT OFFICE, CORNER CANAL AND
RANDOLPH STREETS, CHICAGO.**

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPT. 30. 1906.

Hon. David Ross, Secretary, Bureau of Labor Statistics, Springfield, Ills

SIR—In compliance with section 6 of the act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of this office covering the period from October 1, 1905 to September 30, 1906, together with the expense account for the same period.

It is gratifying to know that the work of this office has met with favorable commendation from the public. The number of employers who are patronizing this office is steadily increasing, showing that the free employment offices of this city should be permanent institutions.

This report will give in detail the work of this office for the time herein stated.

Respectfully submitted,

S. P. REVERE,
Superintendent.

Expense Account of the West Side Office from October 1, 1905, to September 30, 1906.

Rent of office.....	\$900 00	Insurance.....	\$50 94
Light.....	44 29	Repairing, etc.....	61 52
Ice.....	64 42	City directory.....	7 50
Telephone and toll service.....	208 46	Miscellaneous.....	28 67
Towel supply.....	21 00		
Postage.....	40 00	Total.....	\$1.455 08
Advertising.....	33 23		

Annual Report of the Chicago West Side Free Employment Office to the State Bureau of Labor Statistics, for the Year Ended Sept. 30, 1906.

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Any light work.....	1		1		
2	Apprentices.....	31	1	30	2	1
3	Bakers.....	4	1	3	1	
4	Barbers.....	2		2		
5	Barnmen.....	32	31	1	31	
6	Bartenders.....	11	5	6	5	
7	Bench hands.....	11	3	8	3	
8	Blacksmiths.....	20	10	10	10	
9	Blacksmith helpers.....	3	1	2	1	
10	Boiler makers.....	3		3		
11	Bookbinders.....	2		2		
12	Bookkeepers.....	9		9		
13	Boxmakers.....	1		1		
14	Boys.....	435	376	59	387	11
15	Boys, errand.....	3	2	1	2	
16	Boys, office.....	11	8	3	8	
17	Brass finishers.....	3		3		
18	Bricklayers.....	2	1	1	1	
19	Bridge builders.....	2		2		
20	Brush makers.....	1	1		1	
21	Butchers.....	9	2	7	2	
22	Butlers.....	1	1		1	
23	Cabinet makers.....	17	12	5	12	
24	Candy makers.....	2	2		2	
25	Canvassers.....	22	22		31	9
26	Car builders.....	8	8		15	7
27	Carpenters.....	165	131	34	158	22
28	Carriage and wagon washers.....	12	11	1	11	
29	Cigar makers.....	1		1		
30	Cleaners, harness.....	2	2		2	
31	Clerks, hotel.....	2	1	1	1	
32	Clerks, shipping.....	1		1		
33	Clerks, not stated.....	145	21	124	22	

West Side Office—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
34	Coachmen.....	18	13	5	13	.....
35	Collectors.....	2	.....	2	.....	.....
36	Cooks.....	76	49	27	49	.....
37	Core makers.....	2	.....	2	.....	.....
38	Dishwashers.....	68	63	5	63	.....
39	Drill pressmen.....	85	45	40	45	.....
40	Drivers.....	102	31	71	31	.....
41	Electricians.....	11	1	10	1	.....
42	Elevatormen.....	37	5	32	5	.....
43	Engineers.....	46	14	32	14	.....
44	Factory hands.....	539	448	91	448	.....
45	Farm hands.....	377	326	51	343	17
46	Firemen.....	106	51	55	51	.....
47	Gardeners.....	16	10	6	11	1
48	Harness makers.....	1	.....	1	.....	.....
49	Hostlers.....	22	19	3	19	.....
50	Housemen.....	99	69	30	69	.....
51	Iron workers.....	3	.....	3	.....	.....
52	Janitors.....	123	73	50	74	1
53	Kitchen work.....	23	16	7	16	.....
54	Laborers.....	9,300	9,295	5	9,359	64
55	Lathe hands.....	10	4	6	4	.....
56	Laundrymen.....	4	4	.....	4	.....
57	Linemen, not stated.....	1	.....	1	.....	.....
58	Locksmiths.....	1	1	.....	1	.....
59	Machine hands.....	47	31	16	31	.....
60	Machinists.....	182	74	108	74	.....
61	Metal workers.....	38	35	3	37	2
62	Millwrights.....	2	.....	2	.....	.....
63	Miners.....	3	3	.....	3	.....
64	Molders.....	52	50	2	50	.....
65	Molder's helpers.....	1	.....	1	.....	.....
66	Nurses.....	3	2	1	2	.....
67	Oilers.....	6	.....	6	.....	.....
68	Packers.....	61	42	19	42	.....
69	Painters.....	24	8	16	8	.....
70	Paper hangers.....	1	1	.....	1	.....
71	Pattern makers.....	3	1	2	4	3
72	Plumbers.....	4	2	2	2	.....
73	Polishers, not stated.....	7	5	2	5	.....
74	Porters.....	216	181	35	181	.....
75	Pressmen.....	5	4	1	4	.....
76	Printers.....	3	.....	3	.....	.....
77	Punch press hands.....	24	15	9	15	.....
78	Sailors.....	1	.....	1	.....	.....
79	Salesmen.....	4	.....	4	.....	.....
80	Sawyers.....	2	1	1	1	.....
81	Shoemakers.....	1	.....	1	.....	.....
82	Solicitors.....	1	.....	1	.....	.....
83	Steam fitters.....	21	17	4	17	.....
84	Stenographers.....	3	2	1	2	.....
85	Stock keepers.....	151	146	5	146	.....
86	Stone cutters.....	1	1	.....	1	.....
87	Stovemmen.....	1	1	.....	1	.....
88	Teamsters.....	138	91	47	91	.....
89	Time keepers.....	4	.....	4	.....	.....
90	Tinsmiths.....	5	3	2	3	.....
91	Tool makers.....	3	2	1	2	.....
92	Truckmen.....	941	929	12	939	10
93	Upholsterers.....	1	1	.....	5	4
94	Vice hands.....	1	.....	1	.....	.....
95	Waiters.....	21	11	10	12	1
96	Watchmen.....	80	30	50	30	.....
97	Whitewashers.....	3	3	.....	3	.....
98	Wholesale men.....	6	.....	6	.....	.....
99	Window washers.....	210	206	4	206	.....
100	Wood finishers.....	3	1	2	3	2
101	Wood workers.....	20	20	.....	20	.....
102	Yardmen.....	5	5	.....	5	.....
103	Miscellaneous, not classified.....	1,017	960	57	967	7
Grand totals.....		15,372	14,074	1,298	14,237	163

West Side Office—Concluded.

FEMALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfiled.	Number filed.	Number unfiled.
1	Addressers.....	11	5	6	7	2
2	Bottle labelers.....	51	46	5	48	2
3	Cashiers.....	7	.....	7	.....	.....
4	Clerks.....	1	1	.....	1	.....
5	Chambermaids.....	334	284	50	312	28
6	Cooks.....	284	202	82	255	53
7	Dayworkers.....	253	106	147	110	4
8	Diningroom help.....	128	116	22	164	48
9	Dishwashers.....	243	210	33	229	19
10	Domestics.....	567	521	46	984	463
11	Dressmakers.....	1	1	.....	2	.....
12	Factory work.....	469	443	26	605	162
13	Folders, circular.....	12	12	.....	16	4
14	Housekeepers.....	103	34	69	46	12
15	Janitresses.....	10	2	8	2	.....
16	Kitchen help.....	233	199	34	225	26
17	Laundresses.....	189	164	25	179	15
18	Mail order help.....	6	6	.....	8	2
19	Matrons.....	2	.....	2	.....	.....
20	Nurses.....	37	24	13	30	6
21	Office work.....	13	2	11	5	3
22	Pantry work.....	54	35	19	44	9
23	Reception service.....	1	1	.....	2	1
24	Saleswomen.....	4	.....	4	.....	.....
25	Scrubwomen.....	251	223	28	240	17
26	Seamstresses.....	171	161	10	201	40
27	Second work.....	32	19	13	34	15
28	Stenographers.....	7	1	6	1	.....
29	Type writers.....	2	.....	2	1	1
30	Waitresses.....	243	217	26	253	36
31	Wrappers.....	4	4	.....	5	1
32	Miscellaneous, occupation not stated....	64	63	1	85	22
	Grand totals.....	3,797	3,102	695	4,094	992

Statement of the Expenses of the Peoria, Illinois Free Employment Office for the Year Ended Sept. 30, 1906,

Rent of offices	\$780 00	Telephone toll service.....	\$112 55
Advertising.....	328 00	Telegrams, messengers, ets	26 55
Postage.....	30 50	City directory	5 00
Ice	5 50	Storage	3 00
Street sprinkling.....	5 00	Office desk	17 00
Towels, etc	13 30	Miscellaneous expenses	33 70
Janitor service	86 00		
Electric light service.....	16 17	Total.....	\$1,511 31
Telephone toll service.....	49 14		

Annual Report of Peoria Free Employment Office, to the State Bureau of Labor Statistics, for the Year Ended Sept. 30, 1906.

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	68	68		75	7
2	Apprentices	4	4		4	
3	Bakers	30	23	7	30	7
4	Barbers	4	4		4	
5	Barnmen.....	180	178	2	179	1
6	Bartenders.....	9	7	2	7	
7	Blacksmiths	38	28	10	29	1
8	Blacksmiths, mine.....	1	1		1	
9	Blacksmith helpers	3	3		3	
10	Boilermakers	3	2	1	2	
11	Bookkeepers.....	5	4	1	4	
12	Boys, bell.....	76	76		81	5
13	Boys, delivery.....	140	133	7	138	5
14	Boys, elevator.....	17	16	1	16	
15	Boys, errand	11	11		11	
16	Boys, messenger	4	4		4	
17	Boys, office	31	30	1	30	
18	Boys, waiter.....	6	6		6	
19	Boys, water	1	1		1	
20	Brickmakers.....	2	2		2	
21	Butchers.....	2	2		2	
22	Cabinetmakers	1		1		
23	Candymakers	1	1		1	
24	Canvassers.....	77	76	1	76	
25	Canvassmen	7	7		9	2
26	Carpenters	120	106	14	106	
27	Carpet layers	1	1		1	
28	Cashiers	2	1	1	1	
29	Cement finishers.....	1		1		
30	Clerks, drug	2	1	1	1	
31	Clerks, shipping.....	1	1		1	

Peoria Office—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
32	Clerks, not stated	98	51	42	51	.....
33	Coachmen	11	5	6	5	.....
34	Coal miners	66	66	.....	117	51
35	Coffee men	3	3	.....	3	.....
36	Collectors	31	28	3	28	.....
37	Concrete workers	1	.....	1	.....	.....
38	Cooks	161	143	18	153	10
39	Cooks, second .....	.....	.....	.....	2	2
40	Dairy hands	37	35	2	35	.....
41	Deck hands	2	2	.....	2	.....
42	Dishwashers	142	141	1	143	2
43	Distributors	13	13	.....	13	.....
44	Draughtsmen .....	.....	.....	.....	2	2
45	Drivers	3	3	.....	3	.....
46	Electricians	8	4	4	4	.....
47	Elevatormen	3	3	.....	3	.....
48	Embalmers	1	.....	1	.....	.....
49	Engineers	16	8	8	9	1
50	Factory hands	102	80	22	91	11
51	Farm hands	280	264	16	271	7
52	Firemen	34	22	12	23	1
53	Florists	1	.....	1	.....	.....
54	Fruit pickers	23	23	.....	25	2
55	Furnace tenders	1	1	.....	1	.....
56	Gardeners	54	53	1	54	1
57	General work	2	2	.....	2	.....
58	Handymen	387	385	2	388	3
59	Harvest hands	52	52	.....	61	9
60	Hod carriers	2	1	1	1	.....
61	Horseshoers	1	.....	1	.....	.....
62	Hostlers	6	5	1	5	.....
63	Hotel work	5	3	2	3	.....
64	Housemen	96	94	2	96	2
65	Janitors	46	37	9	37	.....
66	Kitchen work	24	24	.....	24	.....
67	Laborers	4, 276	4, 188	88	4, 355	167
68	Laborers, railroad	7	7	.....	7	.....
69	Laundrymen	6	6	.....	6	.....
70	Locksmiths	2	2	.....	2	.....
71	Malsters	10	10	.....	10	.....
72	Machinists	51	45	6	50	5
73	Masons, brick	8	7	1	7	.....
74	Managers	1	1	.....	1	.....
75	Millwrights	1	.....	1	.....	.....
76	Molders	15	10	5	30	20
77	Mortar mixers	1	1	.....	1	.....
78	Motormen	1	.....	1	.....	.....
79	Nurses	5	4	1	4	.....
80	Office help	5	.....	5	.....	.....
81	Packers	5	5	.....	5	.....
82	Painters	62	53	9	57	4
83	Paper hangers	3	2	1	2	.....
84	Pan washers	66	66	.....	66	.....
85	Pattern makers	9	6	3	13	7
86	Photographers	1	.....	1	.....	.....
87	Pipe fitters	1	1	.....	1	.....
88	Plasterers	1	1	.....	1	.....
89	Porters, bar	1	1	.....	1	.....
90	Porters	200	196	4	196	.....
91	Powder mill men	12	12	.....	12	.....
92	Pressmen	5	4	1	4	.....
93	Salesmen	21	17	4	21	4
94	Sectionmen	92	92	.....	161	69
95	Shoemakers	1	.....	1	.....	.....
96	Showmen	1	1	.....	1	.....
97	Solicitors	37	37	.....	45	8
98	Steam fitters	6	5	1	6	1

Peoria Office—Continued.

FEMALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	3	3	.....	3	.....
2	Bakers	1	1	.....	1	.....
3	Bookbinders	5	4	1	4	.....
4	Bookkeepers	16	5	11	5	.....
5	Canvassers	25	25	.....	31	6
6	Cashiers	20	14	6	15	1
7	Cigarmakers	22	22	.....	22	.....
8	Clerks	76	43	33	43	.....
9	Cleaners	1	1	.....	1	.....
10	Checkers	1	1	.....	1	.....
11	Chambermaids	237	208	29	219	11
12	Collectors	7	4	3	4	.....
13	Companions	6	5	1	5	.....
14	Cooks	110	92	18	109	17
15	Day workers	382	280	102	280	.....
16	Demonstrators	4	2	2	2	.....
17	Diningroom help	125	115	10	122	7
18	Dishwipers	6	6	.....	6	.....
19	Dishwashers	137	131	6	134	3
20	Distributors	2	2	.....	2	.....
21	Dressmakers	4	3	1	3	.....
22	Factory work	188	164	24	179	15
23	General housework	818	814	4	1,036	222
24	Hotel help	14	7	7	7	.....
25	Housekeepers	99	61	38	68	7
26	Housekeepers, hotel	1	.....	1	.....	.....
27	Ironers	5	5	.....	5	.....
28	Janitresses	3	2	1	2	.....
29	Kitchen help	141	131	10	136	5
30	Labelers	6	6	.....	6	.....
31	Laundresses	20	13	7	13	.....
32	Laundry work	4	1	3	1	.....
33	Linenroom work	4	4	.....	4	.....
34	Matrons	1	1	.....	1	.....
35	Milliners	2	1	1	1	.....
36	Nurse girls	45	31	14	34	3
37	Nurses	20	13	7	13	.....
38	Office work	51	15	36	15	.....
39	Packers	2	2	.....	2	.....
40	Pantry work	16	15	1	15	.....
41	Pastry cooks	8	6	2	7	1
42	Saleswomen	3	2	1	2	.....
43	Scrubwomen	15	13	2	13	.....
44	Seamstresses	11	8	3	8	.....
45	Second cooks	6	4	2	4	.....
46	Second work	75	66	9	72	6
47	Silver women	14	14	.....	16	2
48	Solicitors	6	5	1	19	14
49	Stenographers	33	12	21	12	.....
50	Teachers, school	1	1	.....	1	.....
51	Tobacco strippers	3	3	.....	3	.....
52	Telephone operators	3	2	1	2	.....
53	Vegetable women	12	11	1	11	.....
54	Waitresses	60	56	4	60	4
55	Waitresses, head	1	1	.....	1	.....
Totals		2,883	2,459	424	2,783	324

Peoria County—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
	Positions secured — applications previously filed—					
	Bookkeepers		2	2		2
	Chambermaids		2	2		2
	Clerks.....		1	1		1
	Day work		8	8		8
	Diningroom work		1	1		1
	Factory work.....		4	4		4
	General housework.....		1	1		1
	Hotel work		1	1		1
	Housekeepers		2	2		2
	Kitchen work		1	1		1
	Mangle girls.....		1	1		1
	Nurse girls		1	1		1
	Solicitors		1	1		1
	Stenographers.....		2	2		2
	Vegetable girls.....		1	1		1
	Totals.....		29	29		29
	Total females.....	2,883	2,488	395	2,783	295

